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MEDICARE HOSPITAL INFORMATION

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Volume 55

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TECHNICAL SUPPLEMENT

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FOREWORD

The mission of the Health Care Financing Administration (HCFA) is to promote the timely delivery of appropriate, quality health care to the nation's aged, disabled, and poor. The agency must also ensure that beneficiaries are aware of the services for which they are eligible, that those services are accessible, and that agency policies and actions promote efficiency and quality within the total health care delivery system.

To that end, the annual release of the Medicare Hospital Information report is a key element in our continuing efforts to improve the effectiveness of medical practice and the quality of care provided to Medicare beneficiaries. It is also an important step in helping beneficiaries make more informed health care decisions.

The information in this release is not intended as a direct measure of quality of care. It is best used as a "screening tool"—that is, to identify potential problems for further review and, in consultation with medical staff, to evaluate a hospital's strengths and weaknesses. Thus, we believe that consumers can use this information to ask questions of their physicians, rather than reach judgments about the quality of care in a particular hospital. We also expect this information to be used by hospital administrators, physicians, peer review organizations, State survey and certification agencies, and researchers.

This publication presents information to answer the question "What is the actual mortality rate within a certain period of time for each hospital compared to the rate that would have been predicted, given what we know about the characteristics of the patients admitted?" Our basic approach to analyzing hospital mortality information has remained unchanged for the past five years; however, since the last publication of mortality information in May 1991, we have made some significant changes both in our methodology and in the way we display the results of our analysis. The four principal changes in the 1992 report are:

- A graphic presentation of the predicted and observed mortality rates for most hospitals for "All Causes" for Federal fiscal years 1988-1990 at 30, 90, and 180 days;
- The addition of information on certain variables that we use in computing the predicted mortality rates for each hospital;
- The addition of information on the geographic origin of each hospital's patients; and

- A comparison of the average length of stay in each hospital with the average for the State and Nation.

These refinements should make this information an even more valuable educational tool to help improve the quality of care in hospitals. The changes were reviewed by a panel of outside experts. The methodology used to calculate the observed mortality rate, the predicted mortality rate, and the standard deviation are described in detail in this Technical Supplement.

We acknowledge the assistance we have received from the American Hospital Association—not only for providing the information detailing selected hospital characteristics, but also for alerting its members to the importance of this information. We are also grateful to the personnel in each hospital who took the time to review the data thoroughly and to provide us with comments and suggestions. As before, we have published individual hospitals' comments in their respective State volumes. Over the years, these communications have helped to improve and refine the information included in this publication.

HCFA is committed to improving the Medicare Hospital Information report. To that end, we are continuing to work with representatives of hospital, consumer, employer and other organizations to make this annual report as useful as possible for all consumers.

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INTRODUCTION

The intent of this Technical Supplement to the Medicare Hospital Information 1988, 1989, 1990 report is to present material which will enable the reader to understand more fully how the tabular material that forms the body of the report was obtained and to place that material in a context that will facilitate its proper interpretation.

The first two sections of this Technical Supplement describe the theoretical basis of the methodology and details of its application to the calculation of probabilities of death following hospitalization (Section A), and probabilities of hospitalization for specific reasons and of death for any reason (Section B).

Sections A and B are followed by two sections which present, in a format similar to that used to describe the experience of patients at individual hospitals, the probabilities of death following hospitalization, hospitalization rates, and population-based mortality rates aggregated to the Metropolitan Statistical Area level (Section C), and smilar data for States (Section D).

The additional data in Sections C and D are provided because, although analysis of mortality rates following admission to a hospital may provide insights into the effectiveness of the care provided by hospitals, it does not adequately characterize the effectiveness of the health care available to Medicare beneficiaries overall. Policies pertaining to access to hospital care, available ambulatory care, and environmental factors may significantly affect the condition of the patient at the time of admission and, thereby, the risk of death thereafter. This additional data is therefore necessary, because the overall objectives of the analytic efforts associated with the issuance of the Medicare Hospital Information are to describe and understand the experience of patients receiving care under the aegis of the Medicare program, and to characterize the patterns of admission and the overall mortality rates in the areas served by specific hospitals.

The material presented in this Technical Supplement in "hard copy" provides an overview of the data available for the characterization of patterns of hospital care and of one of its outcomes, death. Such data in electronic form permits assessments of these patterns and of their correlations in a more flexible and efficient manner. The materials displayed in both the remainder of the publication and in this Supplement, as well as additional data which present hospital-specific effects from the perspective of the hazard rate rather than the cumulative probability of death, are available to the public in machine-readable/electronic format (tape and diskette).

HOW TO OBTAIN MEDICARE HOSPITAL INFORMATION

The publication has been widely distributed to State health organizations and hospital and medical associations. The publication is available to the public for purchase in 55 volumes, with each volume being sold separately through the Government Printing Office (GPO). More detailed information about the purchase of this publication may be obtained by contacting:

Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

Telephone: (202) 783-3238

As in prior years, the information appearing in the Medicare Hospital Information report is available in machine-readable/electronic format (tape and diskette). The Medicare Hospital Information public use file provides the published information as contained in the 55-volume hardcopy publication, except that the AHA's hospital characteristics are not on this file. Hospital characteristics from HCFA files (OSCAR) are provided instead. The files contain additional information which is useful for supplemental analyses: averages by hospital, MSA, and State for each of the variables used in the model, mortality rates for 15, 30, 60, 90 and 180 days, and cross-reference files which relate State, MSA, and ICD-9-CM codes used to a name. These data should allow analysts to assess an individual hospital's performance in comparison to all hospitals in the State or applicable MSA.

Also available to **hospitals** in machine-readable format is their patient-specific data that were used in the report. These data include the patient variables used in the analysis (e.g., the number and severity level of prior hospitalizations considered by the methodology, admission source and type, etc.) and the predicted probability of death at each time interval for each individual included in the study. With these data it is possible for hospitals to better understand their statistics. **Due to confidentiality considerations, requests for patient-specific data must be forwarded on hospital letterhead, must include the institution's Medicare provider number, and must be signed by the hospital administrator.**

For information about obtaining Medicare Hospital Information electronic media data, please contact HCFA's Bureau of Data Management and Strategy at:

Health Care Financing Administration
Bureau of Data Management and Strategy
Office of Statistics and Data Management
3-A-10 Security Office Park Building
6325 Security Boulevard
Baltimore, Maryland 21207

Telephone: (410) 597-5151

SECTION A

MORTALITY FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

Mortality Following Admission to an Acute Care Hospital

Section A describes the data sources, the estimation of patient mortality from the national data, the observed mortalities, and the estimate of the standard deviation for comparing the observed and the predicted mortalities for the mortality information reported in the body of this report.

The methodology employed in the estimation of the postadmission mortality rates is described in the body of this report. It presents the values of the weights of the patient-specific risk factors that define the model for the prediction of the probability of death over time for individuals in tabular form. Available in electronic form, but not presented here, are the estimates of the hospital's influence on the probability of patient death, after adjustment for the patient-specific risk factors. These additional data summarize the differences between the observed and the predicted mortality rates for FY 1988, FY 1989, FY 1990, and a pooled estimate for the 3 years. The FY 1990 mortality rates and, in graphical form, the overall mortality rates for FY 1988, FY 1989, and FY 1990 are given in the individual volumes of the Medicare Hospital Information publication.

DATA SOURCES

The data analyzed in this report are obtained from the Medicare Provider Analysis and Review (MEDPAR) file, which is derived from Medicare bills (known as HCFA-1450 or UB-82) submitted by the hospitals to HCFA through fiscal intermediaries. The MEDPAR file also contains data about the beneficiaries, such as age, sex, and date of death, which are obtained from the Social Security Administration or the Railroad Retirement Board. The Bureau of Data Management and Strategy in HCFA updates the MEDPAR file quarterly. The most recent update as of June 1991 was used.

Health insurance claim (HIC) numbers were extracted from the FY 1987-1991 Short Stay MEDPAR file. In a process called cross-referencing, HICs from the MEDPAR were compared to a cross-reference file which contains all the other HICs a beneficiary may be listed under. HICs associated to the original MEDPAR HICs were identified in the cross-reference file and were retrieved. The cross-reference file was merged onto the FY 1987-1991 Short Stay MEDPAR file and sorted by the original HIC. This was done to track people who changed HICs during the time period so that records would represent unique individuals only.

A data set was prepared from the MEDPAR files for each of 3 fiscal years: FY 1988, FY 1989, and FY 1990. Each data set contains a randomly selected hospitalization for each individual with one or more discharges within the fiscal year. The date of death was used to compute the survival time.

If the date of death was within 365 days from the admission, then for purposes of analysis the date of death is used. Otherwise the date of death, whether known or not, is presumed to be more than 365 days from the admission date, with the exception that no date of death later than April 1, 1991 is used. If the date of death was on the last day of the month and not verified, then the date of death is presumed to be within the month and subsequent to the date of discharge.

The process of data management consisted of selecting acute care hospitalizations, calculating analytical variables (including those that required data from prior hospitalizations), and selecting, for each beneficiary, the random hospitalization for each year with a discharge in FY 1988, FY 1989, or FY 1990. The following rules were used to select acute care hospitalizations:

1. Include only hospitalizations in short-term (general and specialty) hospitals. These hospitals have a 0 in the third position of their Medicare provider number.

2. Exclude hospitalizations in special cost centers. These centers are designated by a 9 in the fourth position of the Medicare provider number.

3. Exclude hospitalizations in psychiatric units, rehabilitation units, swing-beds and alcohol/drug units. These units have “special unit codes” of S, T, U and V, respectively.

4. Eliminate hospitalizations where Medicare is the primary payer, the “total charges” are zero, and the “covered days” are zero, if that hospitalization duplicates or overlaps other hospitalizations for the beneficiary where the above conditions do not apply.

Most of the analytical variables were calculated directly from a single variable for one hospitalization. These variables are defined in later areas of this section. The counts of hospitalizations by level of risk in the 6 months prior to a selected hospitalization were calculated as follows:

1. For each beneficiary, sort the hospitalizations with discharges in the current or prior year in descending order by “date of admission,” “date of discharge,” “discharge status” (0 = alive, 1 = dead), and an indicator of discharge to a nonacute care facility (0 = no, 1 = yes).

2. For each hospitalization, use the principal diagnosis to determine the analytical diagnostic category, as defined in Table A-1 of this section, and the associated level of risk.

3. For a selected hospitalization with a discharge in the current year, count the number of hospitalizations by risk level within the 182 days prior to the "date of admission" for this last hospitalization.

Choosing a specific hospitalization avoids multiple counts of the same death within a fiscal year. Selecting the random hospitalization provides estimates of the probability of death that better represent the average experience than the alternative choices of the first or the last hospitalization.

ESTIMATION OF PATIENT MORTALITY

The model of the predicted mortality rate for a patient describes the dependence of the mortality rate upon explanatory variables. Each of the analytical diagnostic categories, described briefly in this section and more thoroughly in Appendix 1 and in Table A-1, was studied separately.

MORTALITY RATES

For these analyses, mortality was described by the time from admission to death. Patients alive 365 days after admission or after April 1, 1991 were withdrawn from the study (censored) at that time.

ANALYTICAL CATEGORIES

The analytical categories were created by grouping ICD-9-CM principal diagnosis codes that had similar mortality rate patterns. Five risk primary classes were defined from 1 through 5, with 1 as the lowest mortality and 5 as the highest mortality at 16 days postadmission. Within the primary classes, codes were further grouped into secondary classes based on similarities of the initial and long-term risk. The analytical categories and the groups of ICD-9-CM diagnosis codes that defined them are listed in Table A-1. Appendix 1 to this section explains how the analytical categories were constructed.

DISPLAY CONDITIONS AND PROCEDURES CATEGORIES

For display, patients were grouped into the medically interesting condition and procedure categories defined in Table A-2. Note that the category of "Coronary Artery Bypass Graft" has been modified to exclude those cases included in the "Angioplasty" category.

EXPLANATORY VARIABLES

The explanatory variables are discussed in this section and listed in Table A-3.

Demographic Variables

Age and sex variables were used to characterize each patient. The patient's sex was coded as an indicator variable SXFM, which is 1 for female and 0 otherwise. In order to prevent rarely encountered extreme ages from disproportionately influencing the impact on mortality, ages less than 23 years were reset to 23 years, and ages greater than 100 years were reset to 100 years. Age difference from 65 years was scaled by dividing by 65 and then raising to the 1.44 power, with the sign of the scaled age preserved. The value 1.44 was estimated from a sample of about 600,000 patients from the FY 1989-1990 data. To allow for the possibility that the relationship between age and mortality may be different for males and females, the variable AGEML is the transformed age if the patient is male and zero otherwise, and AGEFM is the transformed age if the patient is female and zero otherwise.

Comorbidity Variables

The seven comorbidities used in the model are: cancer (CCA), diabetes (CDI), cardiovascular disease (CCV), cerebrovascular degeneration (CCE), liver disease (CLV), renal disease (CRN), and chronic pulmonary disease (COP). The ICD-9-CM codes defining these variables are listed in Table A-3.

In the two most recent years of analysis, four comorbidity categories were included in the analysis. Prior to that, eight comorbidities were defined. The four were dropped based on findings that they did not contribute much to the explanation of 30-day mortality in development test runs. In this analysis, the comorbidity variables were reconsidered. Because there was concern with the medical definition of the hypertension category, this variable was not reintroduced into the models. However, the other comorbidities do play an important role in the mortality model. The effects appear to be in the long-term (delta) component of the model. This may account for the previous finding in favor of dropping these variables from the 30-day logistic regression models.

The definitions of the comorbidities were extended by including the information on the current admission and the most recent prior admission if it occurred with a discharge date within 6 months prior to the current admission. That is, a code for cancer, CCA, indicates that this comorbidity was coded either on the current admission or the immediate past admission.

When two comorbidities or more are present together, additional terms are sometimes needed if the sum of the individual risk contributions incorrectly represents the joint risk. Co-occurrence terms were considered when the co-occurrence was at least 1 percent of the admissions. The correction is obtained by forming a new indicator for each pair of co-occurrences (product or interaction terms in the statistical parlance). When these indicator variables were found to be important contributors to the model, they were left in the model.

Type and Source of Admission Variables

Data on the type and source of admission were captured by four indicator variables which were assigned default values of 0. If the "type of admission" was coded as an emergency, then the variable EMRG was set to 1. "Emergency" is defined in HCFA's billing procedures as "the patient required immediate medical intervention as a result of severe, life-threatening or potentially disabling conditions." Similarly, if "type of admission" was coded as elective, then the variable ELCT was set to 1. "Elective" is defined as "the patient's condition permitted adequate time to schedule the availability of a suitable accommodation." If "source of admission" indicated that the patient was admitted based on the recommendation of his or her personal or HMO physician, then the variable PHRF was set to 1. Similarly, if "source of admission" indicated that the patient was transferred from a skilled nursing facility (SNF), then the variable TRSNF was set to 1.

These variables remain unchanged in definition from last year. However, some technical flaws with the data were discovered and corrected for this analysis. The problem involved the field formats for the type and source variables. Several events led to the fields being switched in a few cases for four fiscal intermediaries (see Appendix 7). These problems were corrected in building our data base.

As with comorbidities, we considered terms which allowed for the co-occurrence of a source and type combination when the frequency was at least 1 percent of the admissions. Terms found to be important were included in the model.

Previous Hospitalization Variables

Hospitalizations in the 6 months prior to the hospitalization selected for analysis were counted by the levels of risk differentiated by the diagnostic categories. As indicated above, the analytical categories differentiate five levels of risk. The actual counts—five in number—were used in the models. The variables are designated in order from low to high risk based on the probability of death at 16 days as P_RISK1, P_RISK2, P_RISK3, P_RISK4, and P_RISK5. In order to prevent rarely encountered values from having disproportionate influence, the number of previous hospitalizations was reset to a maximum count. The variable P_RISK4 was reset to four if its count was greater than four, and the others were reset to three if the count was greater than three.

An additional variable accounts for the previous mortality risk. When the discharge occurred within 6 months prior to the current or index admission, this variable used a value from the models derived in the process of developing the analytical categories (see Appendix 1). When there was no prior admission with a discharge within the prior 6 months, this variable takes on the value of zero.

Reason for Admission: ICD-9-CM Diagnosis Codes

A further refinement of the analytical model makes use of an additional risk adjustment for the reason for admission or principal diagnosis.

The analysis consisted of a scan of the nearly 7,500 principal diagnosis ICD-9-CM codes actually used in any 1 year, or for all 3 years there were 8,700 codes counting changed codes as distinct. There was an evaluation of an additional risk allowance for the codes that had more than 900 cases over the 3-year period or more than 300 cases for any given year. A more complete description of the process is presented below. For each ICD-9-CM code included in the analysis, we estimated three parameters: one each for the associated initial excess risk, the persistence of the excess risk, and the long-term risk. Table A-4B contains the coefficients of ICD-9-CM codes expressed as relative risks.

Conditions and Procedures Categories

Generally, the model, with estimates for the coefficients of the principal diagnosis ICD–9–CM codes, applies to any subset of the overall data. However, if additional information is provided by the choice of the subset, then the model will not be fully adequate without further estimation. For this reason, offsets (see below) to the intercept terms for the models were reestimated for each of the conditions and procedures used for display. This was done for each of the analytical categories for each of the conditions or procedures to be displayed. Generally, the offsets were not significantly different from zero for the medical conditions, unless there are year–to–year differences not already accounted for in the model, since conditions are defined by the principal diagnosis (ICD-9-CM code), and these codes were already incorporated into the model. Generally, estimates pooled over the 3-year period were used for each code. This fact would account for year-to-year differences in the offsets. The surgical procedure categories provide substantial additional information. Consequently, substantial offsets result when this additional information is provided. In using the estimates, we preferred to use the 3-year pooled estimates for the offsets, unless there was substantial statistical evidence that the yearly estimates were different from the 3-year pooled estimates as measured by a likelihood Chi-square statistic on 6 degrees of freedom of 22.46 (p=0.001). Once the choice of pooled or yearly estimates had been determined, individual estimates of zero for each of the three offset parameters α_{off}, γ_{off} and δ_{off} were used, unless the likelihood Chi-square test statistic with 3 degrees of freedom for a difference from zero exceeded 11.34 (p=0.01).

ANALYTIC TECHNIQUES

Mortality Model

Bailey's modification (Bailey, 1988) of the Makeham time-to-event model was used to ascertain the influence of patient explanatory variables (demographics, comorbidities, admission source and type, previous hospitalizations, reason for admission, and surgical categories) on the mortality rate. Analyses were performed by analytical category using all the patients in the category to ascertain the influence of patient characteristics on the mortality rate.

The mortality model specifies the probability F(t) of death at time t from the admission to the hospital. F(t) is the cumulative probability distribution function or the mortality function. One may also describe the complementary survival probability S(t) which specifies the probability of surviving a period of time t. These probabilities are related as follows:

$$F(t) = 1 - S(t).$$

A common way of expressing these models is by means of the hazard function, also known as the force of mortality or risk function. The hazard is the rate of decrease in the number of survivors relative to the number of survivors at a specific time. Mathematically, the hazard function is

$$h(t) = -\frac{1}{S(t)}\frac{dS(t)}{dt} = -\frac{d\ln(S(t))}{dt}.$$

The hazard function is related to the probability density function as follows:

$$f(t) = \frac{dF(t)}{dt} = h(t)S(t).$$

The area under the survival curve is the expected value for t.

The survival function for the modified Makeham model is:

$$S(t) = \exp\left\{-\delta t - \left(\frac{\alpha}{\gamma}\right)(1 - \exp(-\gamma t))\right\}.$$

The hazard function corresponding to the survival function above is

$$h(t) = \alpha \exp(-\gamma t) + \delta .$$

The three structural parameters α, γ and δ in the hazard and survival functions are functions of the explanatory variables, where

$$\alpha = \exp(\alpha_0 + \alpha_1 x_1 + \ldots + \alpha_i x_i + \ldots + \alpha_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k) \text{ and}$$

$$\delta = \exp(\delta_0 + \delta_1 x_1 + \ldots + \delta_i x_i + \ldots + \delta_k x_k).$$

That is, the structural parameters α, γ, and δ are expressed in terms of the k concomitant or explanatory variables x_i and their associated component parameters α_i, γ_i, and δ_i for i=1, 2, ..., k and three intercepts or component parameters α_0, γ_0, and δ_0.

The structural parameter δ is the long-term risk which is approached as $t \rightarrow \infty$. The structural parameter α is the initial excess risk which decays with rate constant γ. Mathematically, the half-life for the excess risk is

$$t_{\alpha/2} = \frac{\ln(2)}{\gamma} .$$

Consequently, larger values for γ correspond to a more rapid approach to the long-term risk. In subsequent discussion, we will use the reciprocal of γ as a measure of the persistence of the initial excess risk.

The analytical model as described above was applied in each of the 23 analytical categories to the explanatory variables described above. The resulting estimates for the coefficients are displayed in Table A-4A along with the standard errors for these estimates. Figure A-1 is a graphical display of the model coefficients given in Table A-4A.

Computation of Offsets to Measure the Influence of Additional Explanatory Factors

The impact of certain additional explanatory variables was evaluated with the following offset methodology. This technique was applied, in order, to the reason for admission, the display conditions and procedures, and the specific hospitals. These variables define groups of cases, so the estimation can be conducted on the corresponding subset of cases.

To be specific, let α'_i, γ_i, and δ'_i denote the national estimates for the coefficients for all variables previously modeled so that

$$\alpha' = \exp(\alpha'_0 + \alpha'_1 x_1 + \ldots + \alpha'_i x_i + \ldots + \alpha'_k x_k)$$

$$\gamma = \exp(\gamma_0 + \gamma_1 x_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k) \text{ and}$$

$$\delta' = \exp(\delta'_0 + \delta'_1 x_1 + \ldots + \delta'_i x_i + \ldots + \delta'_k x_k).$$

Then the additional component parameters α_{off}, γ_{off} and δ_{off} are estimated. The previously estimated parameters are **not** reestimated; i.e., they are held fixed. The structural parameters are now

$$\alpha'' = \exp(\alpha'_0 + \alpha'_1 x_1 + \ldots + \alpha'_i x_i + \ldots + \alpha'_k x_k + \alpha_{off})$$

$$\gamma'' = \exp(\gamma_0 + \gamma_1 x_1 + \ldots + \gamma_i x_i + \ldots + \gamma_k x_k + \gamma_{off}) \text{ and}$$

$$\delta'' = \exp(\delta'_0 + \delta'_1 x_1 + \ldots + \delta'_i x_i + \ldots + \delta'_k x_k + \delta_{off}).$$

The ***relative long-term risk*** is $\exp(\delta_{off})$. If δ_{off} is zero, then the relative long-term risk is one and the group does not contribute to the long-term risk. In the same fashion, the ***relative initial excess risk*** is $\exp(\alpha_{off})$. The gamma offset component measures the time course of the initial excess risk. The ***relative persistence of the initial excess risk*** is $\exp(-\gamma_{off})$. Note the negative sign.

Estimates of the statistical significance of additional explanatory factors were obtained in the following manner.

Maximum likelihood estimates of the parameters of the mortality model are used. First, the core estimates are obtained for the national Medicare population in each analytical category. The loglikelihood LL' is computed for the cases in the group. The estimates from the core model are then held fixed, and the offset parameters are estimated for the cases within each group. The loglikelihood from the estimation of the offsets is LL".

Then the likelihood Chi-square statistic (see Appendix 4) is

$$X^2 = -2(LL' - LL'').$$

For each relative risk component, we compute a standard error of the estimate from the estimate of the standard error of the component parameter estimates. The standard error of the component parameter estimates are obtained using standard techniques from the estimated covariance matrix by taking the matrix inverse of the information matrix used in the estimation. Since the displayed relative risk components are exponentiated as described above, the standard errors reported on the tables are obtained by the usual propagation of errors formula. For example, the relative initial excess risk is

$$\Re_{\alpha} = \alpha(\underline{x}'; \underline{\alpha}) / \alpha(\underline{x}; \underline{\alpha}) = \exp(\alpha_{off}),$$

and the standard error for $\Re_{\alpha}$ is $\Re_{\alpha}$ times the standard error of $\alpha_{off.}$ The same applies to the other relative risk estimates.

Note that, generally, an exponential transformation would be expected to move symmetrical limits to nonsymmetrical limits. However, in this case, the component estimates are generally fairly close to zero. Since

$$\exp(\Delta) \cong 1 + \Delta$$

when Δ is close to zero, the standard error of $\exp(\Delta)$ and Δ are essentially identical, and only minimal distortion is introduced by this transformation as it is used here.

Computations for hospitals and other locales such as States or metropolitan statistical areas were also performed using the methodology. A more complete description of this process is contained in Appendix 5. Appendix 6 provides a comparison of the mortality model with the logistic regression.

Maximum Likelihood Estimation

An outline of the maximum likelihood estimation procedure is given in "A Proposal for the Analysis of Kidney Graft Survival" (Bailey, et al. 1977), and more fully in Bailey, et al. (1976), Edwards (1972), and Homer, et al. (1977).

In this analysis, patients alive 365 days after admission or after April 1, 1991 were withdrawn from the study (censored). Consequently, at the time of withdrawal we have the specific failure time for those beneficiaries who died within 365 days of the index admission or before April 1, 1991. For others we only know that death occurs at some future time. First, we formulate the loglikelihood, l_i , for each case. Then we form the loglikelihood to be maximized by summing each of the N individual loglikelihoods to obtain

$$LL(\underline{\alpha}, \underline{\gamma}, \underline{\delta}) = \sum_{i=1}^{N} l_i$$

where $\underline{\alpha}$, $\underline{\gamma}$, and $\underline{\delta}$ are vectors or lists of the component parameters which are to be estimated.

The loglikelihood for each still living case is given by

$$l_i = \log S(t_i)$$

where t_i is the duration of observation. When failure or loss occurs at t_i or soon thereafter, we specify the loglikelihood of the event by

$$l_i = \log \{S(t_i) - S(t_i + \Delta)\}$$

where $\{S(t_i) - S(t_i + \Delta)\}$ is the probability of death in the interval Δ after the time t_i.

The time t_i is the length of time for which the individual is known to be alive. The increment of time, Δ, corresponds to the limits of resolution set by the observation technique. In $LL(\underline{\alpha}, \underline{\gamma}, \underline{\delta})$, each individual is represented by the appropriate form of the loglikelihood l_i. The resolution may be an interval of one day or one month and need not be the same for each case.

The likelihood approach for estimation of the modified Makeham was implemented by James P. Summe as a SAS® procedure at the HCFA Data Center. A new implementation of the procedure in ANSI C code was developed for general use by William Rogers. Dr. Rogers contributed this procedure to the Stata Technical Bulletin, July 1991, STB-2 (Joseph Hilbe, Stata Technical Bulletin, 10952 North 128th Place, Scottsdale, Arizona 85259-4464, FAX (602)860-1446. For information, contact Computing Resources Center, 1640 Fifth Street, Santa Monica, California 90401, telephone (213)393-9893.)

ESTIMATION OF THE STANDARD DEVIATION FOR PREDICTED MORTALITY

This section describes the calculation of the observed mortality rate and the estimation of the "Standard Deviation for Predicted Mortality." Since this standard deviation is used as a benchmark for the observed mortality rate, it depends on the variance of the difference between the observed and predicted mortality rates, the residual. To use the standard normal approximations to determine prediction intervals, an adjustment must be applied for the skewness inherent in a mortality rate when the rate is considerably less than 50 percent and the number of cases is small.

Mortality at the Hospital Level

The observed mortality rate for a hospital is

$$P = \frac{1}{n} \sum_{i=1}^{n} Y_i$$

where Y_i is 1 if there is a death and 0 if there is no death. The actual calculation is more complex when variable periods of followup are used. However, in this analysis, the simpler estimate shown above is adequate because there is a followup of at least 182 days from the time of admission in all cases. For a more complete description of the lifetable methodology, see "The LIFETEST Procedure," Chapter 22, SAS User's Guide: Statistics, Version 5 Edition, pages 529-557.

The theoretical mortality rate Θ for a hospital is the average of the case-by-case probabilities θ_i as specified in the mortality model (see Appendix 2). That is

$$\Theta = \frac{1}{n} \sum_{i=1}^{n} \theta_i$$

where n is the number of cases at a hospital and θ_i is the mortality rate for the i-th case.

The predicted mortality rate is

$$\hat{\Theta} = \frac{1}{n} \sum_{i=1}^{n} \hat{\theta}_i$$

where the estimate of θ_i is the mortality estimate for the i-th case.

Variance of the Residual

The variance of the residual

$$P - \hat{\Theta}$$

has four components:

1. V_1 the variance of the estimate of Θ

2. V_2 the binomial variance

3. V_3 the variation among hospitals not explained by the mortality regression models without the hospital-specific offset.

4. V_4 the variation not explained by the mortality regression models even with the hospital-specific offset.

Hence the variance $V = V_1 + V_2 + V_3 + V_4$.

The development of the variance of the observed mortality rate used the variation among hospitals that is not accounted for by the mortality regressions. This is based on classical arguments generally credited to W. H. R. A. Lexis (1875, 1877) and referred to in Chapter VI, pages 26-31, of C. V. L. Charlier (1947). See also Johnson and Kotz (1970), page 78.

In Appendix 3, we demonstrate that V_2 is the sum of two variance components.

Variance V_1 of the Estimate of Θ

The variance V_1 of the estimate of Θ is

$$V_1 = \mathrm{Var}\left(\hat{\Theta}\right) = \frac{\mathbf{u}'\Sigma_\Theta \mathbf{u}}{\left(\mathbf{u}'\mathbf{u}\right)^2}$$

where $\mathbf{u}'$ is a vector of n ones or (1,1, ..., 1) that is used to sum the case estimates of the probability of death to the hospital level, and Σ_Θ is the covariance matrix for the estimates of the probabilities of death by case.

This computationally intensive term was not included in this analysis because past experience has shown that it is negligible in comparison with V_2, V_3.

Variance of the Observed Mortality Rate P for a Hospital

The variance for the observed mortality rate P for a hospital is explained in Appendix 3. This variance is $V_2 + V_3$.

The binomial variance is

$$V_2 = \frac{\hat{\Theta}\left(1 - \hat{\Theta}\right)}{n}.$$

The estimate of Θ is the hospital average over the estimates of patient mortality for each case.

The variation among hospitals that is not accounted for by the mortality model is

$$V_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) \widehat{M_2(\Theta)}$$

where

$$\widehat{M_2(\Theta)} = \left(\begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics and} \\ \text{adjustment for hospital effects} \end{pmatrix} - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics,} \\ \text{but omitting the hospital specific effects} \end{pmatrix} \right)^2 \left(\frac{1}{z_p^2} \right)$$

The factor (1-1/n) was omitted since it is close to 1 when there are 50 cases or more. The quantity z_p corresponds to the statistical significance (p-value) of the hospital-specific effect.

To compute z_p, we use the loglikelihood Chi-square statistic for the hospital offset. When the p-value or probability of a value greater than this Chi-square statistic is less than 50 percent (assuming no offset), z_p is the value from the normal probability distribution with probability p in the tails of the normal distribution. When the p-value for the Chi-square statistic is greater than 50 percent, the calculation uses 50 percent. This avoids obtaining very small values of z_p which result in excessively large standard deviation estimates, possibly greater than 100 percent.

Variance of the Difference between Observed Mortality Rate P for a Hospital and the Predicted Mortality Rate for the Hospital with the Hospital-Specific Offset

To take direct account of the difference between the observed and the predicted mortality with the hospital-specific offset, we use the variance component

$$V_4 = \left\{ \left(\text{Observed mortality}\right) - \begin{pmatrix} \text{Predicted mortality} \\ \text{on basis of} \\ \text{patient characteristics, and} \\ \text{adjustment for the hospital specific effects} \end{pmatrix} \right\}^2 .$$

Generally this term was negligible.

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Table A-1

ANALYTICAL DIAGNOSTIC CATEGORIES
(Defined by ICD-9-CM Codes)

01.1

174.4, 214.8, 226, 233.0, 241.0, 307.81, 361.00, 361.02, 361.89, 362.34, 365.10, 365.11, 365.89, 371.20, 371.57, 375.56, 386.00, 386.10, 386.11, 386.12, 386.30, 386.35, 470, 471.0, 550.91, 553.21, 592.1, 607.84, 608.1, 610.1, 618.0, 618.1, 618.2, 618.3, 618.4, 618.5, 618.8, 621.3, 625.6, 708.0, 715.31, 715.94, 715.97, 722.10, 726.2, 727.1, 727.51, 727.61, 728.6, 735.0, 735.2, 735.4, 780.4, 785.1, 786.50, 786.51, 786.59, 788.0, 813.05, 816.11, 825.0, 836.0, 840.4, 845.09, 883.1, 883.2, 886.0, 989.5, 996.51(89), 996.53(88)

01.2

V55.3, 005.9, 173.1, 174.0, 174.2, 174.3, 174.5, 210.2, 214.1, 214.3, 218.0, 218.1, 220, 227.1, 233.1, 241.1, 241.9, 245.2, 295.94, 296.40, 346.8, 361.01, 362.56, 371.00, 371.23, 384.20, 385.30, 386.50, 387.9, 413.1, 454.9, 455.0, 471.9, 473.2, 475, 540.9, 553.00, 553.29, 596.3, 598.2, 599.3, 600, 601.0, 603.9, 611.1, 617.0, 618.6, 620.2, 622.1, 715.15, 715.16, 715.35, 715.36, 715.91, 715.95, 715.96, 716.16, 722.0, 722.73, 722.93, 726.0, 726.10, 726.91, 753.1 (90), 790.8, 813.44, 813.83, 814.00, 822.0, 824.4, 824.6, 844.8, 866.01, 996.51(88), 996.51(90), 996.53(90), 996.77(90)

01.3

V51, V54.0, V58.4, V67.0, V71.7, 008.8, 034.0, 035, 173.7, 174.1, 190.6, 217, 223.3, 233.3, 250.50(88), 250.51(88), 295.64, 295.74, 296.30, 296.50, 300.00, 300.01, 300.11, 300.4, 303.00, 303.01, 303.90, 303.91, 304.21, 305.00, 306.1, 309.0, 337.0, 345.4 (88), 345.4 (89), 346.9, 350.1, 351.0, 353.8, 354.0, 354.2, 360.00, 360.01, 361.05, 361.81, 361.9, 365.20, 365.22, 365.9, 366.10, 366.14, 366.16, 366.17, 366.19, 366.8, 366.9, 370.00, 370.06, 379.23, 379.31, 382.9, 401.9, 435.0, 435.1, 435.8, 451.0, 455.1, 455.2, 455.3, 455.6, 461.9, 473.0, 473.8, 473.9, 478.5, 511.0, 550.90, 550.92, 550.93, 553.20, 569.0, 592.0, 594.1, 596.5, 598.9, 602.1, 604.90, 604.99, 621.0, 627.1, 654.21, 681.00, 709.2, 715.09, 715.89, 716.15, 716.95, 716.96, 719.16, 719.41, 721.0, 721.90, 722.2, 722.4, 722.52, 722.71, 723.1, 724.02, 724.3, 724.4, 724.8, 726.33, 726.5, 726.65, 727.05, 728.85, 729.1, 729.2, 733.81, 733.82, 733.99, 736.79, 756.12, 782.0, 784.0, 786.01, 786.52, 813.01, 813.41, 813.42, 824.0, 824.2, 843.8, 846.0, 847.1, 847.9, 850.1, 882.1, 892.1, 924.11, 935.1, 996.01, 996.53(89), 996.81(88), 997.9, 998.8

01.4

V71.1, 053.20, 188.6, 211.3, 211.4, 218.2, 218.9, 233.7, 250.50(89), 250.50(90), 250.51(89), 250.51(90), 250.60(89), 290.21, 293.81, 295.30, 295.32, 295.34, 295.60, 295.62, 295.70, 295.90, 296.20, 296.24, 296.33, 296.34, 296.44, 296.60, 296.7, 297.9, 304.01, 304.11, 309.28, 310.2, 311, 340, 355.8, 376.01, 380.10, 383.1, 435.2, 446.5, 454.0, 455.4, 455.5, 461.0, 478.1, 493.00, 521.0, 522.5, 524.6, 532.70, 533.30, 553.1, 553.3, 565.0, 565.1, 569.2, 574.10, 593.2, 593.3, 594.2, 595.1, 595.2, 596.0, 598.8, 601.1, 601.9, 605, 611.0, 611.72, 614.6, 626.2, 626.8, 650, 692.9, 695.4, 696.1, 706.2, 714.0, 715.98, 718.31, 721.3, 721.42, 722.83, 723.0, 723.4, 724.00, 724.2, 724.6, 725, 727.00, 730.16, 730.17, 733.42, 738.4, 780.53, 788.3, 794.31, 823.00, 844.9, 846.9, 847.0, 847.2, 871.1, 891.1, 995.1, 996.39, 996.4, 996.78(90), 996.81(89), 996.81(90)

01.4* (codes for which a pooled ICD-9-CM estimate was used in the second stage of classification).

V02.3, V07.0, V07.1, V07.2, V07.3, V07.8, V10.06, V10.07, V10.11, V10.21, V10.41, V10.42, V10.46, V10.51, V10.82, V10.83, V12.0, V12.5, V12.6, V12.7, V13.0, V13.8, V13.9, V14.6, V15.5, V15.81, V15.89, V16.3, V17.8, V22.2, V24.0, V25.2, V26.0, V28.0, V30.0 (88), V30.0 (89), V30.00(90), V40.9, V42.0, V42.1, V43.3, V43.4, V43.6, V43.8, V44.1, V44.2, V44.3, V44.6, V45.0, V45.3, V45.4, V45.6, V45.81, V46.1, V48.1, V48.6, V49.1, V49.2, V50.0, V50.1, V50.2, V50.8, V52.0, V52.1, V52.2, V52.3, V52.4, V52.8, V53.0, V53.3, V53.5, V53.6, V53.7, V54.8, V54.9, V55.5, V55.7, V55.9, V57.0, V57.4, V57.81, V58.2, V58.3, V58.9, V59.1, V59.3, V59.4, V59.5, V59.8, V60.0, V60.1, V60.2, V60.3, V60.8, V61.1, V61.20, V61.21, V61.8, V62.0, V62.4, V62.89, V63.8, V64.0, V64.2, V65.2, V65.5, V66.1, V66.2, V66.3, V66.4, V66.6, V67.1, V67.2, V67.3, V67.51, V67.9, V68.81, V68.89, V68.9, V70.7, V71.01, V71.2, V71.3, V71.5, V72.5, V72.6, V76.8, V78.0, V78.1, V81.0, V81.5, 001.0, 001.1, 001.9, 002.1, 002.2, 002.9, 003.20, 003.21, 003.24, 004.0, 004.2, 004.3, 005.0, 005.2, 005.3, 005.8, 006.2, 006.3, 006.4, 006.6, 006.9, 007.0, 007.1, 007.3, 007.8, 007.9, 008.1, 008.2, 010.00, 010.03, 010.04, 010.05, 010.10, 010.12, 010.14, 010.16, 010.92, 010.93, 010.95, 010.96, 011.01, 011.05, 011.10, 011.11, 011.12, 011.14, 011.15, 011.16, 011.31, 011.32, 011.34, 011.35, 011.36, 011.42, 011.51, 011.52, 011.54, 011.55, 011.56, 011.70, 011.72, 011.73, 011.74, 011.75, 011.76, 011.81, 011.86, 012.01, 012.03, 012.06, 012.10, 012.14, 012.15, 012.16, 012.20, 012.23, 012.30, 012.33, 012.34, 012.80, 012.82, 012.83, 012.84, 012.85, 012.86, 013.01, 013.02, 013.05, 013.06, 013.10, 013.15, 013.20, 013.23, 013.24, 013.30, 013.33, 013.34, 013.40, 013.42, 013.44, 013.45, 013.50, 013.52, 013.60, 013.63, 013.65, 013.80, 013.95, 014.02, 014.03, 014.04, 014.05, 014.06, 014.80, 014.83, 015.01, 015.02, 015.03, 015.04, 015.06, 015.10, 015.11, 015.12, 015.13, 015.14, 015.15, 015.16, 015.20, 015.24, 015.25, 015.26, 015.50, 015.52, 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804.09, 804.11, 804.12, 804.16, 804.19, 804.23, 804.29, 804.31, 804.32, 804.33, 804.40, 804.41, 804.42, 804.45, 804.49, 804.51, 804.54, 804.60, 804.70, 804.71, 804.76, 804.81, 804.82, 804.85, 804.95, 804.96, 805.10, 805.11, 805.12, 805.13, 805.14, 805.15, 805.17, 805.3, 805.5, 805.7, 805.9, 806.11, 806.13, 806.14, 806.15, 806.18, 806.22, 806.23, 806.27, 806.28, 806.30, 806.31, 806.34, 806.35, 806.5, 806.60, 806.61, 806.72, 806.9, 807.10, 807.12, 807.13, 807.14, 807.16, 807.17, 807.18, 808.1, 808.51, 808.52, 809.1, 810.10, 810.11, 810.12, 810.13, 811.01, 811.02, 811.10, 811.11, 811.13, 811.19, 812.13, 812.19, 812.42, 812.49, 812.52, 812.53, 812.54, 812.59, 813.03, 813.06, 813.07, 813.08, 813.10, 813.11, 813.12, 813.13, 813.14, 813.15, 813.16, 813.17, 813.18, 813.20, 813.21, 813.22, 813.30, 813.33, 813.51, 813.52, 813.53, 813.81, 813.82, 813.91, 814.02, 814.03, 814.04, 814.05, 814.07, 814.08, 814.09, 814.10, 814.11, 814.12, 814.13, 814.15, 814.16, 814.17, 814.18, 814.19, 815.00, 815.01, 815.03, 815.04, 815.10, 815.11, 815.12, 815.13, 815.14, 815.19, 816.00, 816.01, 816.02, 816.03, 816.10, 816.12, 816.13, 817.1, 818.0, 818.1, 820.11, 820.12, 823.11, 823.30, 823.81, 823.91, 824.1, 824.3, 824.7, 824.9, 825.1, 825.20, 825.21, 825.22, 825.24, 825.30, 825.32, 825.33, 825.34, 825.35, 826.0, 826.1, 827.1, 829.1, 831.09, 831.10, 831.11, 831.12, 831.14, 832.01, 832.02, 832.03, 832.04, 832.10, 832.11, 832.12, 832.13, 832.14, 832.19, 833.00, 833.01, 833.02, 833.03, 833.04, 833.05, 833.09, 833.10, 833.11, 833.12, 833.14, 833.15, 834.00, 834.01, 834.10, 834.11, 834.12, 835.02, 835.10, 836.1, 836.2, 836.3, 836.4, 836.51, 836.53, 836.54, 836.59, 836.60, 836.61, 836.62, 836.69, 837.0, 838.00, 838.01, 838.02, 838.05, 838.06, 838.09, 838.10, 838.11, 838.12, 838.13, 838.14, 838.16, 838.19, 839.10, 839.11, 839.14, 839.21, 839.30, 839.40, 839.41, 839.42, 839.61, 839.69, 839.8, 839.9, 840.0, 840.1, 840.2, 840.3, 840.5, 840.6, 840.8, 840.9, 841.0, 841.1, 841.8, 842.00, 842.01, 842.02, 842.09, 842.10, 842.11, 842.12, 842.13, 842.19, 843.1, 844.1, 844.2, 844.3, 845.00, 845.02, 845.03, 845.10, 845.11, 845.12, 845.13, 846.1, 846.2, 846.3, 847.4, 848.0, 848.1, 848.40, 848.41, 848.42, 848.49, 848.9, 850.12, 851.04, 851.11, 851.12, 851.13, 851.15, 851.16, 851.22, 851.23, 851.25, 851.29, 851.32, 851.34, 851.43, 851.52, 851.54, 851.59, 851.62, 851.63, 851.65, 851.69, 851.71, 851.72, 851.74, 851.76, 852.33, 852.34, 852.39, 852.43, 852.44, 852.49, 852.51, 852.52, 852.54, 852.56, 853.13, 853.14, 854.12, 854.14, 854.19, 862.31, 863.43, 863.85, 863.93, 866.10, 866.11, 867.3, 867.4, 867.5, 867.7, 867.9, 870.1, 870.2, 871.0, 871.4, 871.5, 871.6, 872.02, 872.10, 872.12, 872.61, 872.69, 872.71, 872.8, 873.21, 873.22, 873.23, 873.29, 873.30, 873.32, 873.33, 873.39, 873.41, 873.44, 873.50, 873.51, 873.54, 873.60, 873.62, 873.70, 873.71, 873.72, 873.73, 873.79, 874.00, 874.10, 874.11, 874.12, 874.2, 874.3, 876.0, 876.1, 877.0, 878.0, 878.1, 878.4, 878.5, 878.6, 878.7, 878.8, 878.9, 879.0, 879.6, 879.7, 880.01, 880.02, 880.03, 880.09, 880.11, 880.12, 880.19, 880.20, 880.21, 880.22, 880.23, 880.29, 881.01, 881.11, 881.12, 881.20, 881.21, 882.0, 882.2, 883.0, 885.0, 885.1, 886.1, 887.1, 887.3, 887.5, 887.6, 887.7, 891.2, 892.0, 892.2, 893.0, 893.1, 893.2, 894.0, 894.1, 894.2, 895.0, 896.0, 896.1, 896.3, 897.2, 897.3, 897.5, 900.00, 900.02, 900.81, 901.2, 901.3, 901.40, 901.9, 902.11, 902.19, 902.22, 902.24, 902.26, 902.27, 902.29, 902.33, 902.40, 902.41, 902.50, 902.51, 902.52, 902.59, 902.82, 902.9, 903.02, 903.5, 903.8, 904.3, 904.40, 904.42, 904.50, 904.51, 904.52, 904.53, 904.54, 904.6, 904.7, 905.0, 905.1, 905.2, 905.3, 905.4, 905.5, 905.6, 905.7, 905.8, 906.0, 906.2, 906.3, 906.4, 906.5, 906.6, 906.7, 906.8, 906.9, 907.1, 907.2, 907.5, 907.9, 908.0, 908.1, 908.2, 908.3, 908.4, 908.6, 908.9, 909.0, 909.1, 909.4, 909.9, 910.1, 910.2, 910.3, 910.4, 910.5, 910.6, 910.9, 911.2, 911.4, 911.5, 911.7, 911.8, 911.9, 912.0, 912.1, 912.3, 912.4, 912.5, 912.6, 912.7, 912.8, 912.9, 913.0, 913.2, 913.4, 913.5, 913.6, 913.7, 913.8, 913.9, 914.0, 914.2, 914.3, 914.4, 914.5, 914.6, 914.7, 914.8, 914.9, 915.1, 915.3, 915.4, 915.5, 915.6, 915.7, 915.8, 915.9, 916.1, 916.2, 916.4, 916.5, 916.6, 916.7, 916.9, 917.0, 917.3, 917.4, 917.6, 917.7, 917.8, 917.9, 918.0, 918.2, 919.1, 919.2, 919.4, 919.6, 919.7, 919.9, 921.0, 921.3, 921.9, 922.0, 922.4, 922.9, 923.00, 923.03, 923.3, 924.20, 924.21, 924.3, 924.9, 925, 926.0, 926.11, 926.12, 926.8, 926.9, 927.01, 927.03, 927.09, 927.10, 927.11, 927.20, 927.21, 927.3, 927.8, 927.9, 928.01, 928.11, 928.21, 928.3, 928.9, 929.9, 930.0, 930.1, 930.8, 930.9, 931, 932, 935.2, 937, 939.0, 939.1, 939.3, 939.9, 940.0, 940.1, 940.2, 940.3, 940.4, 940.5, 940.9, 941.00, 941.01, 941.03, 941.04, 941.05, 941.06, 941.07, 941.08, 941.12, 941.13, 941.15, 941.16, 941.17, 941.18, 941.21, 941.25, 941.26, 941.33, 941.35, 941.36, 941.41, 941.42, 941.45, 941.46, 941.48, 941.50, 941.51, 941.59, 942.00, 942.01, 942.02, 942.03, 942.04, 942.05, 942.11, 942.12, 942.13, 942.15, 942.25, 942.41, 942.43, 942.45, 942.50, 942.54, 942.59, 943.01, 943.03, 943.05, 943.09, 943.10, 943.11, 943.12, 943.13, 943.14, 943.20, 943.22, 943.24, 943.26, 943.31, 943.34, 943.40, 943.41, 943.44, 943.45, 943.49, 943.51, 943.52, 943.54, 943.56, 943.59, 944.00, 944.01, 944.02, 944.03, 944.06, 944.07, 944.08, 944.10, 944.11, 944.12, 944.13, 944.15, 944.16, 944.18, 944.20, 944.21, 944.23, 944.24, 944.25, 944.27, 944.31, 944.32, 944.34, 944.35, 944.41, 944.42, 944.43, 944.44, 944.46, 944.48, 944.50, 944.53, 944.54, 944.58, 945.00, 945.01, 945.03, 945.04, 945.05, 945.06, 945.10, 945.11, 945.12, 945.15, 945.16, 945.19, 945.21, 945.22, 945.23, 945.25, 945.26, 945.35, 945.40, 945.41, 945.43, 945.45, 945.46, 945.50, 945.51, 945.52, 945.59, 946.1, 947.4, 947.8, 947.9, 948.00, 948.30, 948.40, 948.42, 948.43, 948.53, 948.60, 948.63, 948.64, 948.65, 948.70, 948.71, 948.73, 948.76, 948.77, 948.80, 948.83, 948.85, 948.86, 948.87, 948.90, 948.91, 948.97, 948.98, 948.99, 949.0, 949.1, 950.0, 950.1, 950.3, 950.9, 951.0, 951.1, 951.3, 951.4, 951.5, 951.6, 951.8, 951.9, 952.11, 952.12, 952.14, 952.15, 952.16, 952.17, 952.18, 952.3, 952.4, 953.0, 953.1, 953.3, 953.8, 953.9, 954.0, 954.1, 954.8, 955.0, 955.1, 955.4, 955.5, 955.6, 955.7, 955.8, 955.9, 956.1, 956.3, 956.4, 956.5, 956.9, 957.0, 957.1, 958.0, 958.6, 959.5, 960.0, 960.1, 960.2, 960.3, 960.6, 960.9, 961.1, 961.2, 961.3, 961.6, 961.7, 961.8, 961.9, 962.1, 962.4, 962.6, 962.7, 962.9, 963.2, 963.4, 963.8, 963.9, 964.0, 964.1, 964.3, 964.6, 964.8, 964.9, 965.5, 966.0, 966.2, 966.3, 966.4, 967.2, 967.3, 967.4, 967.6, 968.1, 968.2, 968.3, 968.4, 968.6, 968.7, 968.9, 969.6, 970.0, 971.1, 971.9, 972.2, 972.3, 972.7, 972.8, 973.1, 973.2, 973.4, 973.5, 973.6, 973.9, 974.0, 974.2, 974.3, 974.6, 975.0, 975.1, 975.2, 975.5, 975.6, 975.8, 976.1, 976.2, 976.5, 976.7, 976.8, 976.9, 977.0, 977.1, 977.2, 977.3, 977.4, 978.0, 978.8, 978.9, 979.2, 979.4, 979.6, 979.9, 980.3, 982.0, 982.1, 982.2, 982.3, 982.4, 984.0, 984.1, 984.8, 985.0, 985.1, 985.3, 985.4, 985.6, 985.9, 987.2, 987.3, 987.4, 987.5, 987.6, 988.0, 988.2, 988.8, 988.9, 989.1, 989.2, 989.7, 991.5, 992.1, 992.2, 992.6, 993.0, 993.2, 993.3, 993.4, 993.9, 994.0, 994.3, 994.4, 994.5, 994.6, 994.9, 995.3, 996.32, 996.5 (88), 996.52(88), 996.54(88), 996.54(89), 996.54(90), 996.75(90), 996.80(88), 996.80(89), 996.80(90), 996.82(90), 996.84(89), 996.84(90), 996.86(88), 996.86(89), 996.86(90), 996.89(88), 996.89(89), 996.89(90), 996.91, 996.92, 996.93, 996.94, 996.95, 996.96, 996.99, 998.4, 999.0, 999.7

02.1

V55.2, 009.1, 079.9, 230.4, 236.2, 401.0, 402.00, 402.90, 411.8 (88), 411.89(90), 413.9, 420.91, 426.12, 426.13, 427.0, 427.61, 427.69, 427.81, 429.4, 454.1, 458.0, 487.8, 530.5, 550.11, 552.29, 574.50, 592.9, 729.5, 780.2, 785.0, 807.2, 813.54, 823.80, 824.8, 825.25, 831.00, 850.0, 922.1, 995.0, 997.2, 997.5, 998.1

02.2

V56.8 (89), V56.8 (90), V57.1, V57.89, 003.0, 009.2, 211.1, 225.1, 225.4, 230.3, 235.2, 240.9, 242.90, 250.00(90), 252.0, 281.0, 281.1, 345.40(90), 427.2, 427.32, 433.1, 433.2, 451.19, 451.2, 493.10, 530.1, 530.6, 531.30, 531.31, 531.90, 532.30, 532.90, 532.91, 533.90, 535.6, 540.1, 555.0, 562.10, 562.11, 564.1, 566, 568.0, 574.00, 574.11, 574.20, 574.30, 574.40, 575.1, 682.4, 715.90, 719.06, 721.1, 730.15, 730.26, 730.28, 802.4, 807.01, 812.00, 812.03, 812.09, 812.40, 823.20, 831.01, 850.5, 891.0, 924.10, 958.3, 959.1, 969.1, 969.8, 996.2, 996.66(90), 996.67(90), 998.3, 998.5

02.3

V56.8 (88), V71.4, V71.8, 053.9, 172.6, 172.7, 173.3, 174.6, 174.8, 182.0, 188.0, 188.1, 188.2, 188.3, 212.3, 236.7, 250.00(88), 250.01(89), 250.91(88), 274.0, 274.9, 280.8, 291.8, 292.0, 334.3, 337.9, 411.8 (89), 435.9, 437.2, 451.9, 455.8, 493.90, 535.3, 535.5, 536.9, 558.9, 595.82, 596.8, 604.0, 681.10, 682.0, 721.2, 729.81, 753.1 (89), 781.0, 781.2, 781.3, 784.7, 802.0, 805.4, 805.6, 810.00, 823.22, 823.82, 843.9, 850.9, 873.0, 922.2, 922.3, 924.00, 924.8, 962.3, 966.1, 992.5, 996.65(90)

02.4

047.9, 053.19, 173.2, 173.6, 188.4, 188.5, 250.00(89), 250.01(88), 250.01(90), 250.60(88), 250.60(90), 250.61(88), 250.61(89), 250.61(90), 250.80(88), 250.81(88), 250.81(89), 250.91(89), 250.91(90), 280.9, 282.62, 290.12, 292.12, 293.83, 296.23, 298.8, 331.3, 344.61, 345.50(90), 356.9, 405.91, 433.3, 447.1, 451.11, 453.8, 454.2, 459.81, 462, 478.79, 493.91, 531.70, 531.91, 535.0, 535.1, 535.4, 536.8, 552.1, 555.1, 555.9, 569.1, 577.1, 590.80, 595.0, 595.9, 596.4, 682.3, 682.6, 682.7, 682.8, 686.9, 693.0, 720.0, 730.07, 730.08, 730.25, 730.27, 731.0, 733.00, 753.1 (88), 781.9, 785.6, 805.2, 805.8, 812.01, 812.41, 823.02, 920, 924.01, 977.8

02.4* (codes for which a pooled ICD-9-CM estimate was used in the second stage of classification)

V55.0, V55.8, V57.9, V63.2, V65.0, V67.6, V71.6, 002.0, 003.9, 004.1, 004.8, 004.9, 008.3, 008.5, 008.6, 009.3, 011.50, 012.02, 052.9, 053.10, 053.11, 053.12, 053.13, 053.21, 053.29, 053.71, 057.9, 079.0, 079.8, 083.9, 094.89, 097.1, 140.4, 141.3, 141.4, 144.1, 154.2, 160.1, 161.2, 172.2, 172.3, 180.1, 184.1, 184.2, 187.1, 187.3, 187.6, 189.3, 202.47, 211.2, 211.6, 211.8, 212.4, 213.6, 214.9, 219.9, 223.0, 223.1, 223.81, 227.0, 228.04, 228.09, 230.1, 231.0, 232.3, 234.8, 235.0, 236.5, 237.2, 237.3, 238.0, 238.2, 239.4, 242.20, 242.80, 245.3, 246.8, 255.1, 255.5, 255.9, 268.2, 272.4, 277.1, 277.4, 278.0, 282.0, 282.4, 282.60, 289.0, 289.1, 289.2, 290.42, 290.43, 290.8, 290.9, 291.1, 291.3, 291.9, 292.89, 292.9, 293.82, 294.8, 295.20, 295.35, 295.44, 296.04, 296.13, 296.80, 296.89, 297.8, 298.0, 300.15, 301.6, 304.60, 305.91, 306.0, 306.2, 306.8, 309.1, 309.89, 310.0, 310.8, 312.00, 312.8, 312.9, 318.0, 322.2, 332.1, 333.6, 333.7, 333.83, 334.2, 334.8, 341.8, 344.3, 344.60, 345.01(90), 345.2, 345.51(90), 345.8 (88), 347, 348.0, 350.2, 351.8, 352.3, 352.9, 353.0, 353.1, 353.2, 353.6, 354.1, 354.8, 355.9, 357.6, 360.42, 363.20, 363.61, 365.00, 365.65, 366.50, 368.16, 370.34, 371.72, 372.00, 376.30, 378.53, 378.9, 381.00, 382.01, 382.2, 383.9, 386.34, 388.8, 389.9, 390, 402.10, 405.01, 405.99, 426.2, 426.7, 442.0, 448.0, 448.9, 451.81, 451.89, 455.9, 460, 463, 464.0, 464.20, 465.0, 472.0, 474.8, 476.0, 478.0, 478.21, 478.22, 478.31, 493.01, 495.8, 506.3, 523.0, 526.9, 528.4, 528.5, 531.71, 532.31, 532.71, 533.70, 534.90, 535.2, 537.1, 537.9, 551.01, 552.01, 553.8, 553.9, 555.2, 564.3, 564.4, 564.6, 564.9, 569.42, 581.2, 582.1, 582.89, 583.1, 583.2, 588.0, 590.3, 593.0, 593.82, 596.2, 603.1, 611.9, 614.2, 614.4, 615.0, 615.9, 616.10, 616.4, 621.8, 648.23, 680.5, 683, 686.8, 692.89, 693.1, 698.9, 701.0, 701.5, 709.8, 710.2, 710.8, 711.03, 711.07, 711.96, 714.2, 714.4, 714.9, 715.13, 715.38, 716.66, 716.90, 716.99, 718.42, 718.44, 718.46, 718.65, 719.11, 719.75, 719.85, 720.9, 721.41, 721.7, 722.11, 722.51, 722.92, 724.01, 724.1, 724.79, 726.12, 726.32, 727.66, 727.82, 728.2, 728.4, 728.79, 728.83, 728.84, 729.30, 729.89, 730.03, 730.06, 730.23, 733.29, 733.40, 733.41, 733.44, 733.49, 736.41, 737.30, 741.01, 741.93, 746.3, 747.6, 747.81, 747.89, 748.3, 751.5, 751.7, 753.2, 753.3, 754.30, 754.51, 756.0, 756.19, 780.1, 780.52, 780.59, 781.4, 782.1, 784.1, 786.8, 787.6, 787.9, 788.8, 790.4, 793.5, 794.8, 796.4, 800.00, 800.01, 801.41, 802.1, 802.20, 802.21, 802.22, 802.24, 802.35, 802.36, 802.6, 803.01, 806.4, 810.01, 811.03, 811.09, 812.02, 812.30, 812.43, 812.44, 812.50, 813.04, 813.23, 813.32, 813.40, 813.43, 813.93, 814.01, 815.02, 819.0, 821.31, 823.01, 823.21, 824.5, 825.29, 825.31, 827.0, 831.03, 831.04, 832.00, 834.02, 835.00, 835.01, 836.50, 839.06, 839.20, 844.0, 845.19, 846.8, 847.3, 848.3, 848.8, 850.2, 863.99, 870.0, 870.3, 870.8, 871.9, 872.01, 873.1, 873.20, 873.43, 873.49, 873.53, 873.59, 873.64, 877.1, 878.2, 880.00, 881.00, 881.22, 884.1, 890.0, 890.1, 895.1, 900.89, 900.9, 903.1, 903.2, 907.0, 909.3, 910.0, 910.8, 913.1, 916.0, 916.8, 918.1, 921.1, 923.20, 924.4, 924.5, 928.20, 936, 938, 943.21, 944.28, 944.30, 945.02, 945.20, 945.24, 945.29, 945.31, 945.32, 945.33, 945.36, 945.42, 953.4, 955.2, 955.3, 959.2, 959.3, 959.4, 959.7, 969.2, 969.3, 969.5, 969.7, 969.9, 971.2, 972.6, 973.0, 973.3, 974.4, 975.3, 980.0, 985.8, 989.8, 991.1, 991.2, 992.3, 992.4, 994.8, 996.09, 996.52(89), 996.52(90), 997.61, 999.5

03.1

009.0, 185, 401.1, 411.1, 426.10, 426.11, 426.6, 427.60, 427.89, 487.1, 550.10, 550.12, 552.00, 596.7, 788.2, 789.0, 807.02, 808.2, 854.02, 997.1

03.2

V56.0 (88), V58.0 (88), V58.0 (89), V58.0 (90), V58.1 (88), V58.1 (89), V58.1 (90), V58.8, 008.49, 053.79, 153.0, 153.2, 153.3, 153.4, 153.6, 161.1, 174.9, 180.0, 196.6, 227.3, 291.0, 357.0, 403.90(90), 411.81(90), 414.0, 414.8, 414.9, 420.90, 424.0, 425.1, 440.8, 466.1, 527.2, 528.3, 530.7, 531.00, 531.40, 532.40, 534.00, 540.0, 552.20, 552.21, 556, 560.81, 562.00, 569.41, 571.8, 574.01, 574.31, 574.41, 574.51, 575.0, 575.8, 590.00, 590.10, 593.89, 595.89, 608.4, 711.06, 807.03, 807.04, 807.05, 807.06, 808.49, 812.21, 820.01, 823.92, 861.01, 969.0, 986, 996.69(90), 996.72(90)

03.3

V56.0 (89), V56.0 (90), 141.2, 142.0, 173.4, 189.1, 189.2, 250.90(88), 250.90(89), 250.90(90), 251.2, 276.8, 280.0, 292.81, 345.1 (88), 345.9 (88), 345.9 (89), 345.90(90), 426.9, 427.31, 437.9, 442.3, 453.9, 457.1, 465.9, 466.0, 478.29, 490, 491.9, 534.40, 558.2, 564.0, 569.6, 591, 593.4, 599.7, 599.8, 623.8, 719.45, 724.5, 733.1, 780.6, 780.7, 787.0, 807.00, 808.0, 808.41, 808.42, 808.8, 812.20, 820.20, 821.21, 854.01, 873.42, 959.6, 959.8, 969.4, 977.9, 995.2, 996.1, 996.7 (88), 996.7 (89), 996.73(90), 996.76(90), 996.79(90), 997.3, 998.2

03.4

078.5, 135, 154.8, 161.0, 171.3, 172.5, 173.5, 184.4, 188.8, 188.9, 196.3, 225.2, 244.9, 250.80(89), 250.80(90), 250.81(90), 253.6, 255.4, 276.6, 281.3, 281.9, 285.0, 290.0, 290.10, 290.11, 290.20, 290.3, 290.40, 290.41, 291.2, 293.0, 294.1, 294.9, 298.9, 300.9, 310.1, 310.9, 331.0, 331.4, 331.9, 332.0, 333.0, 342.9, 345.1 (89), 345.10(90), 345.11(90), 345.5 (88), 345.5 (89), 345.91(90), 356.8, 358.0, 402.01, 403.0 (88), 403.0 (89), 403.01(90), 437.0, 437.1, 440.1, 442.81, 443.9, 491.1, 491.2, 493.20(90), 493.21(90), 494, 518.89(90), 519.1, 530.0, 530.2, 530.3, 531.41, 536.2, 558.1, 564.8, 569.49, 569.82, 574.21, 577.2, 577.8, 581.9, 588.8, 619.1, 682.1, 682.2, 682.5, 682.9, 694.5, 695.89, 707.1, 707.8, 710.0, 710.4, 733.90, 780.3, 782.3, 783.2, 784.2, 820.00, 820.02, 820.03, 820.09, 820.8, 821.01, 821.20, 821.23, 854.00, 967.0, 996.59(88), 996.59(89), 996.59(90), 996.6 (88), 996.6 (89), 996.61(90), 996.62(90), 996.74(90), 997.4, 997.62, 997.69, 998.6, 999.3

03.4* (codes for which a pooled ICD-9-CM estimate was used in the second stage of classification)

V45.89, V55.4, V55.6, V57.2, V60.4, V60.5, V66.0, V66.9, V67.4, V67.59, V71.09, 003.8, 008.0, 008.41, 008.42, 011.02, 011.43, 011.45, 011.84, 011.92, 011.95, 012.00, 015.00, 017.90, 027.2, 041.0, 041.1, 041.5, 041.9, 047.8, 053.8, 054.10, 054.79, 054.9, 072.9, 078.3, 081.9, 082.0, 084.6, 096, 112.3, 112.9, 115.00, 115.05, 127.2, 129, 137.0, 138, 141.1, 142.1, 143.0, 143.1, 143.8, 144.0, 145.0, 145.2, 145.3, 145.4, 145.6, 146.2, 146.3, 146.7, 160.0, 161.3, 170.7, 171.2, 172.0, 172.4, 175.9, 182.1, 183.2, 184.3, 186.9, 187.7, 187.8, 188.7, 189.9, 190.0, 190.1, 190.5, 190.8, 192.0, 194.1, 195.4, 195.5, 200.07, 200.87, 201.51, 201.52, 201.55, 201.62, 201.63, 201.65, 201.94, 201.95, 201.96, 202.01, 202.05, 202.07, 210.6, 210.8, 211.0, 211.5, 211.9, 213.0, 215.5, 215.9, 227.5, 228.00, 228.02, 230.2, 230.8, 232.4, 232.6, 235.4, 236.0, 236.91, 237.0, 237.6, 237.7 (88), 237.7 (89), 237.7 (90), 238.6, 239.5, 242.31, 244.0, 244.3, 246.9, 251.1, 251.3, 252.1, 253.2, 255.8, 259.3, 259.8, 263.1, 273.1, 274.10, 274.82, 275.0, 275.2, 275.3, 277.00, 277.6, 277.8, 278.8, 279.00, 279.8, 281.2, 281.8, 282.61, 282.8, 284.0, 286.1, 286.4, 287.0, 287.1, 287.2, 288.3, 289.4, 289.51, 292.11, 292.2, 292.82, 292.84, 293.1, 293.89, 295.42, 297.0, 297.2, 298.1, 298.2, 298.3, 300.20, 300.89, 307.59, 307.9, 308.1, 308.2, 318.2, 324.9, 330.0, 331.2, 331.89, 333.2, 333.5, 333.82, 333.89, 333.90, 334.9, 335.21, 335.24, 335.29, 336.8, 343.1, 344.0, 344.4, 344.8, 344.9, 345.0 (89), 345.00(90), 345.8 (89), 345.80(90), 352.2, 352.6, 356.1, 356.2, 356.4, 357.7, 357.8, 359.8, 359.9, 360.02, 360.43, 368.40, 369.00, 372.30, 376.00, 376.81, 379.00, 383.02, 388.69, 393, 395.1, 395.2, 404.0 (88), 404.0 (89), 404.01(90), 412, 413.0, 423.1, 424.3, 426.3, 426.52, 426.53, 426.54, 429.81, 443.0, 443.1, 447.0, 456.1, 457.8, 464.10, 464.31, 465.8, 478.20, 478.24, 478.30, 478.33, 478.34, 478.6, 478.70, 478.75, 491.0, 491.8, 493.11, 495.9, 503, 504, 506.0, 508.8, 519.3, 519.4, 522.8, 523.1, 525.0, 525.1, 525.9, 527.3, 527.7, 528.2, 528.9, 529.0, 530.9, 531.01, 533.21, 533.31, 533.41, 533.91, 534.01, 534.30, 534.71, 541, 550.13, 551.29, 552.02, 562.01, 571.41, 575.3, 575.5, 575.9, 576.4, 576.9, 577.9, 579.0, 579.2, 579.3, 579.8, 579.9, 580.0, 580.4, 580.89, 581.3, 581.89, 582.2, 583.89, 583.9, 587, 588.1, 594.0, 597.0, 599.1, 599.9, 607.2, 607.82, 607.83, 608.0, 608.86, 610.9, 614.0, 614.3, 614.5, 614.8, 619.0, 619.8, 620.9, 629.8, 629.9, 642.51, 642.91, 680.3, 680.7, 680.9, 686.0, 694.61, 706.8, 707.9, 709.3, 710.3, 711.00, 711.02, 711.05, 711.08, 711.93, 711.95, 711.98, 714.1, 716.56, 716.67, 717.49, 718.21, 718.25, 718.32, 718.55, 718.85, 719.49, 719.70, 721.91, 722.70, 728.11, 728.3, 728.9, 730.01, 730.05, 730.09, 730.20, 730.21, 730.22, 730.29, 732.4, 733.09, 736.39, 737.19, 737.34, 742.4, 743.31, 745.5, 745.61, 746.4, 746.85, 746.89, 747.29, 747.3, 750.3, 750.4, 751.0, 751.3, 751.62, 751.69, 753.7, 754.2, 756.6, 757.0, 757.39, 758.0, 759.5, 780.54, 780.56, 781.6, 782.5, 782.7, 783.6, 783.9, 784.3, 784.5, 784.9, 786.02, 786.2, 787.1, 788.4, 789.2, 790.2, 793.3, 793.4, 795.5, 796.0, 796.3, 800.06, 800.12, 800.60, 801.01, 801.09, 801.40, 801.42, 801.50, 802.28, 802.29, 802.39, 802.8, 802.9, 803.02, 803.09, 803.10, 805.06, 806.08, 806.24, 806.25, 807.07, 807.08, 807.5, 810.02, 810.03, 811.00, 812.10, 812.31, 812.51, 813.02, 813.31, 813.92, 815.09, 817.0, 820.19, 820.9, 821.11, 821.29, 822.1, 823.10, 823.12, 823.32, 823.90, 825.23, 828.0, 830.0, 831.02, 835.03, 836.52, 837.1, 838.03, 838.04, 839.01, 839.04, 839.05, 839.07, 841.9, 845.01, 848.5, 850.3, 851.84, 851.89, 852.09, 854.09, 861.31, 863.45, 865.01, 866.00, 866.03, 867.2, 867.6, 870.4, 871.2, 871.3, 871.7, 872.00, 872.11, 873.40, 873.52, 873.63, 874.4, 874.8, 875.0, 878.3, 879.2, 879.4, 879.5, 879.8, 880.13, 881.02, 881.10, 884.0, 884.2, 887.2, 890.2, 903.3, 904.2, 904.8, 906.1, 911.0, 914.1, 917.1, 917.2, 917.5, 919.0, 919.8, 921.2, 922.8, 923.01, 923.02, 923.09, 923.10, 923.11, 923.21, 923.8, 923.9, 928.00, 928.10, 935.0, 939.2, 941.19, 941.20, 941.27, 941.29, 942.20, 942.21, 942.22, 942.23, 942.24, 943.23, 943.29, 943.30, 944.26, 944.33, 944.36, 944.38, 944.40, 945.14, 945.34, 952.2, 952.8, 956.0, 958.8, 959.0, 959.9, 960.5, 961.0, 961.4, 962.0, 963.0, 963.1, 963.5, 964.2, 965.00, 965.6, 965.8, 967.1, 967.8, 967.9, 968.0, 970.8, 972.0, 972.4, 972.9, 973.8, 975.4, 976.0, 976.4, 976.6, 980.2, 980.9, 983.2, 983.9, 987.0, 987.1, 988.1, 989.4, 989.9, 990, 991.9, 992.8, 995.4, 996.00, 996.30, 996.31, 996.63(90), 996.82(89), 997.60, 998.9, 999.2, 999.4, 999.9

04.0 (codes for which a pooled ICD-9-CM estimate was used in the second stage of classification)

V10.05, V10.3, V57.3, V64.1, V66.5, 003.1, 003.29, 005.1, 006.0, 006.1, 006.8, 007.2, 010.83, 010.90, 011.00, 011.03, 011.04, 011.06, 011.13, 011.20, 011.22, 011.23, 011.24, 011.25, 011.26, 011.30, 011.33, 011.44, 011.46, 011.53, 011.62, 011.63, 011.65, 011.80, 011.83, 011.85, 011.91, 011.94, 011.96, 012.04, 012.05, 013.00, 013.04, 015.05, 016.00, 016.05, 017.26, 017.95, 018.04, 018.05, 018.93, 018.95, 018.96, 021.2, 031.0, 031.8, 031.9, 033.8, 039.1, 039.3, 039.8, 039.9, 041.2, 041.3, 041.4, 041.6, 041.7, 041.8, 042.2 (90), 043.3 (88), 043.9 (88), 043.9 (89), 043.9 (90), 044.9 (89), 046.3, 048, 049.8, 052.1, 052.7, 053.0, 054.13, 054.2, 054.72, 062.3, 070.5, 070.9, 074.0, 083.1, 084.0, 084.9, 087.9, 097.0, 097.9, 098.89, 110.3, 110.5, 110.8, 112.0, 112.2, 112.89, 114.0, 114.2, 114.3, 115.09, 115.90, 115.95, 115.99, 116.0, 118, 125.6, 127.0, 128.0, 130.0, 133.0, 134.0, 136.9, 140.9, 141.6, 141.8, 142.8, 144.8, 144.9, 145.1, 145.5, 145.8, 146.0, 146.1, 146.4, 146.8, 147.0, 147.1, 147.2, 147.3, 148.0, 148.2, 148.3, 148.8, 149.8, 150.1, 152.1, 152.3, 152.8, 152.9, 153.5, 154.3, 157.3, 158.8, 159.1, 160.2, 160.3, 160.4, 160.8, 162.0, 163.0, 164.0, 164.3, 170.0, 170.1, 170.2, 170.3, 170.4, 170.5, 170.6, 170.8, 171.0, 171.4, 171.6, 171.7, 173.8, 182.8, 183.8, 183.9, 184.8, 184.9, 187.4, 189.8, 190.7, 190.9, 191.0, 191.4, 191.5, 192.1, 192.2, 192.3, 194.0, 194.3, 194.4, 194.8, 194.9, 198.6, 200.01, 200.03, 200.04, 200.05, 200.11, 200.12, 200.13, 200.14, 200.15, 200.16, 200.17, 200.25, 200.81, 200.85, 200.86, 201.48, 201.50, 201.53, 201.60, 201.61, 201.67, 201.71, 201.72, 201.75, 201.91, 201.92, 201.93, 202.02, 202.03, 202.04, 202.10, 202.15, 202.18, 202.20, 202.28, 202.31, 202.43, 202.60, 202.68, 202.84, 202.86, 202.87, 202.91, 202.93, 202.98, 203.8, 205.3, 211.7, 212.2, 212.7, 213.9, 219.8, 228.1, 230.6, 230.9, 235.3, 235.5, 235.6, 238.8, 239.1, 239.2, 239.7, 242.01, 242.21, 242.81, 242.91, 244.2, 244.8, 251.8, 253.5, 253.9, 255.0, 255.3, 256.3, 258.1, 259.2, 260, 263.0, 265.0, 265.1, 265.2, 266.9, 269.3, 269.8, 269.9, 270.7, 272.2, 272.7, 273.0, 273.2, 273.3, 273.8, 273.9, 275.1, 275.8, 277.5, 277.9, 278.3, 278.4, 279.03, 279.2, 279.3, 279.4, 282.63, 282.7, 282.9, 283.1, 283.2, 286.0, 286.2, 286.3, 287.8, 288.1, 288.2, 288.9, 295.03, 307.1, 307.41, 308.4, 308.9, 322.0, 323.5, 323.8, 324.1, 331.1, 333.4, 333.91, 333.99, 334.0, 335.10, 335.19, 335.23, 336.1, 341.9, 342.0, 343.0, 343.9, 344.5, 345.7 (88), 345.7 (89), 345.70(90), 345.71(90), 348.2, 348.9, 349.1, 349.89, 349.9, 350.9, 357.9, 358.8, 358.9, 359.4, 360.12, 362.13, 369.3, 373.00, 373.8, 376.32, 376.50, 376.9, 380.89, 384.1, 388.32, 391.0, 391.1, 391.8, 391.9, 392.0, 394.1, 394.9, 395.0, 396.1, 396.9, 397.0, 397.9, 398.90, 403.1 (88), 403.1 (89), 404.02(90), 404.1 (89), 404.10(90), 404.11(90), 404.90(90), 410.02(90), 410.22(90), 414.10, 414.11, 414.19, 416.1, 417.0, 417.1, 417.8, 421.9, 422.91, 423.2, 423.8, 424.2, 424.90, 424.99, 425.0, 425.3, 425.9, 426.4, 426.50, 426.51, 429.3, 429.79(90), 433.8, 433.9, 437.4, 437.5, 442.1, 442.82, 442.83, 442.89, 446.0, 446.2 (88), 446.2 (89), 446.2 (90), 446.4, 446.7, 447.4, 447.9, 453.1, 453.2, 453.3, 456.8, 458.1, 464.11, 472.1, 472.2, 476.1, 477.0, 478.32, 478.9, 480.1, 480.2, 480.8, 495.0, 500, 505, 506.1, 507.1, 508.1, 511.1, 516.0, 516.9, 518.2, 519.9, 520.8, 522.1, 522.9, 527.0, 527.4, 528.1, 531.51, 531.61, 532.01, 532.11, 532.51, 533.01, 533.51, 534.20, 534.31, 534.41, 534.51, 534.60, 536.1, 537.2, 537.4, 550.01, 550.03, 551.02, 551.1, 552.9, 560.0, 560.30, 568.81, 568.82, 568.9, 569.9, 571.0, 571.40, 572.1, 573.0, 573.9, 575.2, 575.4, 576.5, 582.4, 590.11, 590.9, 596.6, 608.83, 618.7, 623.9, 642.71, 674.34, 694.4, 694.60, 694.8, 695.0, 710.9, 711.01, 711.09, 712.96, 714.33, 714.81, 718.49, 719.15, 721.6, 728.0, 729.39, 730.38, 732.1, 737.10, 738.2, 739.4, 739.9, 742.2, 744.41, 745.0, 745.2, 746.2, 746.81, 746.87, 746.9, 747.0, 747.10, 747.22, 747.9, 754.32, 755.59, 756.3, 757.33, 782.8, 786.1, 786.4, 786.9, 787.3, 789.1, 789.4, 789.9, 791.3, 791.9, 793.1, 797, 799.2, 799.3, 799.9, 800.10, 800.13, 800.14, 800.19, 800.21, 800.24, 800.31, 800.51, 800.56, 800.61, 800.62, 800.71, 800.81, 801.00, 801.03, 801.06, 801.10, 801.11, 801.12, 801.21, 801.24, 801.31, 801.46, 801.60, 801.61, 802.30, 802.38, 803.00, 803.06, 803.11, 803.12, 803.51, 804.00, 804.01, 804.04, 804.20, 804.22, 804.30, 805.00, 805.01, 805.03, 805.04, 805.05, 805.07, 805.08, 806.20, 806.21, 806.29, 806.39, 806.62, 806.69, 807.11, 807.19, 807.3, 808.3, 808.59, 808.9, 809.0, 812.11, 813.00, 813.50, 813.80, 820.10, 820.13, 820.30, 820.32, 821.10, 821.22, 821.30, 821.32, 821.33, 821.39, 823.31, 825.39, 828.1, 832.09, 839.00, 839.02, 839.03, 839.08, 843.0, 851.00, 851.01, 851.02, 851.09, 851.10, 851.40, 851.41, 851.42, 851.44, 851.49, 851.50, 851.51, 851.82, 851.86, 852.02, 852.12, 852.41, 852.42, 853.02, 853.04, 853.09, 854.04, 854.11, 860.1, 860.3, 860.5, 862.21, 862.22, 862.29, 862.39, 862.8, 863.29, 863.31, 863.39, 863.44, 863.53, 863.54, 863.55, 863.80, 863.81, 863.82, 864.01, 864.10, 864.11, 864.12, 864.19, 865.12, 866.02, 867.8, 868.13, 868.14, 870.9, 872.9, 873.61, 873.65, 873.74, 873.8, 874.01, 874.02, 874.5, 874.9, 875.1, 879.1, 879.3, 879.9, 880.10, 887.0, 897.1, 900.03, 900.82, 901.81, 902.21, 902.89, 903.01, 903.9, 904.0, 904.1, 904.41, 904.9, 907.3, 907.4, 909.2, 911.1, 911.6, 916.3, 918.9, 919.5, 926.19, 928.8, 934.1, 941.10, 941.22, 941.28, 941.31, 942.14, 942.29, 942.30, 942.31, 942.32, 942.33, 942.34, 942.35, 942.44, 943.00, 943.25, 943.32, 943.33, 943.35, 943.36, 943.39, 944.37, 945.09, 945.30, 945.39, 945.44, 945.49, 947.0, 947.2, 947.3, 948.10, 948.11, 949.2, 952.00, 952.02, 952.03, 952.08, 952.09, 952.10, 952.9, 953.2, 953.5, 958.2, 958.7, 960.7, 960.8, 962.2, 963.3, 964.4, 965.01, 965.02, 965.7, 965.9, 967.5, 968.5, 971.3, 972.5, 974.5, 974.7, 980.8, 981, 982.8, 984.9, 987.8, 989.3, 989.6, 991.3, 991.4, 991.8, 992.9, 993.1, 995.81, 995.89, 996.60(90), 996.70(90), 996.82(88), 996.83(88), 996.83(89), 996.83(90), 996.90, 998.7, 999.1, 999.6, 999.8

04.1

152.2, 153.1, 153.7, 250.11(90), 276.1, 286.5, 410.42(90), 411.0, 423.9, 424.1, 426.0, 427.1, 427.9, 429.2, 480.9, 482.2, 487.0, 532.00, 533.00, 533.40, 537.89, 552.8, 557.1, 560.1, 569.3, 576.1, 577.0, 578.1, 599.6, 728.89, 780.9, 790.7, 807.09, 808.43, 820.21, 820.22, 820.31, 854.06, 860.0, 860.2, 965.1, 987.9, 996.03

04.2

038.42, 049.9, 054.3, 070.1, 070.3, 148.1, 154.0, 191.8, 193, 225.0, 250.11(89), 250.40(90), 276.9, 283.0, 286.7, 286.9, 287.3, 322.9, 394.0, 394.2, 396.0, 396.2, 396.3, 396.8, 410.12(90), 410.7 (88), 410.7 (89), 410.71(90), 410.72(90), 421.0, 437.3, 440.0, 440.2, 440.9, 441.4, 443.89, 444.0, 444.22, 444.81, 444.89, 481, 482.3, 483, 532.41, 537.0, 550.00, 551.00, 551.21, 552.3, 560.31, 560.9, 568.89, 569.5, 569.89, 572.0, 573.3, 590.2, 593.81, 596.1, 695.1, 805.02, 821.00, 851.80, 851.81, 852.21, 860.4, 861.21, 946.2, 992.0, 996.02, 996.71(90), 997.0

04.3

V55.1, 141.0, 154.1, 161.8, 180.9, 184.0, 196.0, 196.5, 238.4, 250.11(88), 250.40(88), 250.41(90), 251.0, 276.3, 276.7, 285.1, 285.9, 287.4, 288.0, 289.9, 293.9, 349.82, 402.11, 402.91, 404.92(90), 410.70(90), 437.8, 438, 444.21, 458.9, 459.89, 496, 512.8, 518.89(88), 518.89(89), 519.8, 528.0, 530.8, 560.39, 578.9, 580.9, 593.9, 599.0, 786.09, 786.3, 788.9, 790.6, 867.0, 965.4, 972.1, 974.1, 975.7, 996.64(90)

04.4

011.90, 011.93, 150.4, 151.0, 151.1, 151.2, 151.4, 151.5, 151.6, 152.0, 156.2, 158.0, 161.9, 180.8, 183.0, 189.0, 191.1, 191.2, 191.3, 197.4, 198.1, 198.2, 198.82, 202.81, 202.85, 235.7, 237.5, 239.0, 239.6, 250.40(89), 250.41(88), 250.41(89), 250.70(88), 250.70(89), 250.70(90), 250.71(88), 250.71(89), 250.71(90), 263.8, 283.9, 284.8, 284.9, 285.8, 287.5, 288.8, 289.59, 289.8, 323.9, 336.9, 344.1, 345.3, 348.3, 348.8, 398.91, 403.11(90), 403.9 (88), 403.9 (89), 403.91(90), 404.03(90), 404.9 (89), 404.91(90), 416.0, 425.5, 434.1, 447.6, 459.9, 482.9, 492.0, 492.8, 510.0, 510.9, 511.8, 511.9, 513.0, 515, 516.8, 518.0, 518.3, 519.0, 537.3, 560.2, 560.89, 564.7, 569.81, 571.1, 571.49, 573.8, 576.2, 576.8, 582.9, 585, 707.0, 782.4, 783.0, 783.3, 783.4, 785.4, 786.6, 787.2, 789.3, 789.5, 799.0, 965.09

04.5

428.0

05.0 (codes for which a pooled ICD-9-CM estimate was used in the second stage of classification).

V10.02, V53.9, V64.3, V70.3, V71.9, 003.22, 003.23, 005.4, 010.13, 010.15, 010.80, 010.82, 010.84, 010.85, 010.86, 010.91, 010.94, 011.21, 011.40, 011.41, 011.60, 011.61, 011.64, 011.66, 011.82, 013.03, 013.90, 014.00, 014.82, 014.84, 014.85, 014.86, 016.20, 017.93, 017.94, 018.00, 018.03, 018.06, 018.80, 018.81, 018.84, 018.85, 018.86, 018.90, 018.92, 018.94, 023.1, 027.0, 030.8, 032.84, 032.89, 033.0, 033.1, 033.9, 036.0, 036.1, 036.2, 036.3, 036.89, 037, 038.41, 038.44, 040.0, 040.89, 042.0 (88), 042.0 (89), 042.0 (90), 042.1 (88), 042.1 (89), 042.1 (90), 042.2 (88), 042.2 (89), 042.9 (88), 042.9 (89), 042.9 (90), 043.1 (88), 043.1 (89), 043.1 (90), 043.3 (89), 043.3 (90), 044.9 (88), 044.9 (90), 045.00, 046.1, 046.2, 049.0, 055.1, 062.2, 063.9, 065.4, 070.0, 070.2, 070.4, 070.6, 082.9, 083.0, 085.0, 085.4, 088.9, 090.0, 093.0, 098.82, 101, 102.2, 111.0, 111.1, 112.5, 112.81, 112.83, 115.94, 117.3, 117.5, 117.6, 117.7, 117.9, 122.1, 122.2, 122.4, 122.5, 123.0, 126.0, 126.9, 130.3, 130.7, 130.8, 130.9, 132.3, 132.9, 134.9, 136.8, 137.2, 139.0, 139.8, 141.9, 142.9, 143.9, 145.9, 146.5, 146.9, 147.8, 147.9, 148.9, 149.9, 150.0, 150.2, 156.8, 156.9, 157.4, 158.9, 159.0, 159.8, 159.9, 160.5, 160.9, 163.1, 163.8, 164.1, 164.2, 164.8, 164.9, 165.0, 165.8, 165.9, 170.9, 171.5, 171.8, 171.9, 172.8, 172.9, 173.9, 181, 191.6, 191.7, 192.8, 192.9, 194.6, 195.1, 195.3, 195.8, 196.8, 196.9, 197.3, 198.0, 198.7, 198.81, 200.00, 200.02, 200.06, 200.08, 200.18, 200.20, 200.21, 200.22, 200.23, 200.24, 200.27, 200.28, 200.80, 200.82, 200.83, 200.84, 200.88, 201.23, 201.40, 201.44, 201.58, 201.68, 201.70, 201.73, 201.77, 201.78, 201.90, 201.97, 201.98, 202.00, 202.06, 202.08, 202.11, 202.13, 202.24, 202.30, 202.32, 202.34, 202.38, 202.40, 202.46, 202.48, 202.90, 202.92, 202.94, 203.1, 204.2, 204.8, 204.9, 205.2, 205.8, 205.9, 206.0, 206.1, 206.2, 206.8, 206.9, 207.0, 207.2, 207.8, 208.1, 208.2, 208.8, 208.9, 231.1, 231.2, 231.9, 235.8, 238.9, 239.8, 239.9, 246.0, 251.4, 254.1, 258.0, 258.9, 259.4, 262, 266.0, 270.1, 270.6, 271.1, 271.2, 276.4, 279.01, 279.19, 287.9, 305.42, 312.01, 320.0, 320.2, 320.3, 320.7, 320.8, 320.9, 324.0, 325, 330.8, 335.0, 335.11, 335.22, 336.3, 348.4, 348.5, 355.4, 359.1, 359.2, 372.39, 372.8, 374.13, 381.7, 384.00, 384.9, 404.1 (88), 404.12(90), 410.20(90), 410.30(90), 410.32(90), 410.50(90), 410.52(90), 410.60(90), 410.62(90), 410.80(90), 410.82(90), 410.92(90), 416.8, 420.99, 422.90, 422.92, 423.0, 425.2, 427.42, 429.0, 429.1, 429.5, 429.6, 429.71(90), 429.89, 432.0, 437.6, 441.5, 441.9, 442.84, 442.9, 444.1, 444.9, 446.6, 447.5, 452, 453.0, 456.20, 480.0, 495.1, 495.2, 501, 502, 506.4, 507.8, 513.1, 518.1, 518.8 (88), 519.2, 520.9, 531.11, 531.21, 532.21, 532.61, 533.10, 533.11, 533.20, 533.50, 533.60, 533.61, 534.10, 534.50, 534.61, 550.02, 551.20, 551.3, 551.8, 551.9, 567.1, 571.9, 573.4, 576.3, 583.7, 583.81, 584.6, 584.7, 594.9, 623.3, 628.4, 697.8, 705.0, 718.22, 718.39, 723.2, 729.4, 740.1, 742.59, 745.10, 745.4, 745.69, 745.8, 758.4, 758.5, 759.3, 759.81(90), 784.8, 785.3, 785.9, 788.5, 790.0, 791.1, 792.4, 795.4, 795.8 (90), 798.1, 799.4, 799.8, 799.95, 800.04, 800.05, 800.11, 800.15, 800.16, 800.20, 800.22, 800.23, 800.25, 800.26, 800.30, 800.32, 800.33, 800.34, 800.35, 800.36, 800.41, 800.46, 800.59, 800.63, 800.65, 800.66, 800.70, 800.75, 800.76, 800.80, 800.84, 800.85, 800.86, 800.90, 800.96, 801.04, 801.05, 801.13, 801.15, 801.16, 801.19, 801.20, 801.22, 801.23, 801.25, 801.26, 801.29, 801.30, 801.32, 801.33, 801.34, 801.35, 801.36, 801.39, 801.43, 801.45, 801.65, 801.70, 801.71, 801.72, 801.73, 801.74, 801.75, 801.76, 801.80, 801.81, 801.85, 801.86, 801.95, 801.96, 801.99, 802.31, 803.05, 803.15, 803.16, 803.20, 803.21, 803.22, 803.23, 803.24, 803.25, 803.26, 803.29, 803.30, 803.31, 803.32, 803.35, 803.36, 803.40, 803.42, 803.43, 803.45, 803.46, 803.60, 803.65, 803.66, 803.70, 803.75, 803.76, 803.81, 803.85, 803.95, 804.03, 804.05, 804.10, 804.13, 804.15, 804.21, 804.25, 804.26, 804.35, 804.36, 804.46, 804.50, 804.55, 804.65, 804.66, 804.75, 804.80, 805.16, 806.00, 806.01, 806.02, 806.03, 806.04, 806.05, 806.06, 806.07, 806.09, 806.10, 806.16, 806.19, 806.26, 806.8, 807.15, 807.6, 808.53, 812.12, 813.90, 819.1, 829.0, 830.1, 838.15, 850.4, 851.03, 851.05, 851.06, 851.20, 851.21, 851.26, 851.30, 851.31, 851.35, 851.36, 851.39, 851.45, 851.46, 851.53, 851.55, 851.56, 851.60, 851.70, 851.75, 851.83, 851.85, 851.90, 851.91, 851.92, 851.93, 851.95, 851.96, 851.99, 852.00, 852.01, 852.03, 852.04, 852.05, 852.06, 852.10, 852.11, 852.15, 852.16, 852.19, 852.23, 852.24, 852.29, 852.30, 852.31, 852.32, 852.35, 852.36, 852.40, 852.45, 852.46, 852.50, 853.03, 853.05, 853.06, 853.10, 853.11, 853.12, 853.15, 853.16, 853.19, 854.03, 854.05, 854.10, 854.13, 854.15, 854.16, 861.00, 861.02, 861.03, 861.10, 861.11, 861.12, 861.13, 861.20, 861.22, 861.30, 861.32, 862.0, 862.1, 862.32, 862.9, 863.0, 863.1, 863.20, 863.21, 863.30, 863.40, 863.41, 863.42, 863.46, 863.49, 863.50, 863.51, 863.52, 863.56, 863.59, 863.83, 863.84, 863.89, 863.91, 863.94, 864.00, 864.02, 864.03, 864.04, 864.09, 864.13, 864.14, 865.00, 865.02, 865.03, 865.09, 865.10, 865.11, 865.13, 865.14, 865.19, 866.12, 866.13, 867.1, 868.00, 868.01, 868.02, 868.03, 868.04, 868.09, 868.10, 868.12, 868.19, 869.0, 869.1, 872.79, 873.31, 873.69, 873.75, 873.9, 887.4, 896.2, 897.0, 897.4, 897.6, 897.7, 900.01, 900.1, 901.0, 901.1, 901.41, 901.82, 901.83, 901.89, 902.0, 902.10, 902.20, 902.23, 902.25, 902.31, 902.32, 902.42, 902.53, 902.54, 902.87, 903.00, 903.4, 905.9, 927.00, 929.0, 933.0, 934.0, 934.9, 941.09, 941.23, 941.30, 941.32, 941.34, 941.37, 941.38, 941.39, 941.40, 941.49, 942.09, 942.10, 942.19, 942.39, 942.40, 942.42, 942.49, 943.43, 944.22, 945.54, 946.0, 946.4, 946.5, 947.1, 948.20, 948.21, 948.22, 948.32, 948.33, 948.41, 948.44, 948.50, 948.51, 948.52, 948.54, 948.55, 948.66, 948.74, 948.88, 949.3, 949.4, 952.01, 952.04, 952.05, 952.06, 952.07, 952.13, 952.19, 956.8, 957.8, 957.9, 958.1, 958.4, 958.5, 960.4, 961.5, 962.5, 962.8, 970.1, 971.0, 976.3, 980.1, 983.0, 983.1, 985.5, 987.7, 989.0, 991.0, 994.1, 994.2, 994.7, 996.84(88), 998.0

05.1

250.10(88), 250.10(89), 250.10(90), 415.1, 426.89, 434.9, 456.0, 459.0, 485, 486, 557.9, 567.8

05.2

038.2, 150.3, 150.5, 150.8, 151.3, 151.8, 153.8, 153.9, 155.1, 179, 197.1, 197.5, 197.6, 197.8, 198.89, 202.82, 275.4, 320.1, 410.0 (88), 410.0 (89), 410.01(90), 410.1 (88), 410.1 (89), 410.10(90), 410.11(90), 410.2 (88), 410.2 (89), 410.21(90), 410.3 (88), 410.3 (89), 410.31(90), 410.4 (88), 410.4 (89), 410.40(90), 410.41(90), 410.5 (88), 410.5 (89), 410.51(90), 410.6 (88), 410.6 (89), 410.61(90), 430, 432.1, 433.0, 434.0, 436, 442.2, 447.2, 482.8, 508.0, 512.0, 518.5, 530.4, 531.10, 531.20, 531.50, 531.60, 532.10, 532.20, 532.50, 532.60, 557.0, 567.2, 569.83, 584.5, 584.8, 807.4, 852.20, 852.22, 852.26, 853.00, 853.01, 865.04, 946.3

05.3

038.0, 038.1, 038.3, 038.40, 038.43, 038.49, 038.8, 038.9, 112.4, 156.0, 195.0, 196.1, 196.2, 204.1, 238.7, 250.20(88), 250.20(89), 250.20(90), 250.21(88), 250.21(89), 250.21(90), 250.30(88), 250.30(89), 250.30(90), 250.31(88), 250.31(89), 250.31(90), 263.9, 276.0, 276.2, 276.5, 404.13(90), 404.9 (88), 404.93(90), 410.00(90), 410.8 (88), 410.8 (89), 410.81(90), 410.9 (88), 410.9 (89), 410.90(90), 415.0, 416.9, 425.4, 428.1, 428.9, 429.9, 441.2, 459.2, 482.0, 482.1, 482.4, 514, 516.3, 518.4, 518.82(88), 518.82(89), 518.82(90), 567.9, 571.2, 571.3, 571.5, 571.6, 572.2, 572.3, 578.0, 584.9, 586, 710.1, 780.0, 933.1, 934.8, 991.6

05.4

136.3, 149.0, 150.9, 151.9, 155.0, 155.2, 156.1, 157.0, 157.1, 157.2, 157.8, 157.9, 162.2, 162.3, 162.4, 162.5, 162.8, 162.9, 163.9, 191.9, 195.2, 197.0, 197.2, 197.7, 198.3, 198.4, 198.5, 199.0, 199.1, 200.10, 202.80, 202.83, 202.88, 203.0, 204.0, 205.0, 205.1, 208.0, 261, 277.3, 286.6, 335.20, 348.1, 410.91(90), 427.41, 427.5, 431, 432.9, 441.0, 441.1, 441.3, 507.0, 518.81(88), 518.81(89), 518.81(90), 570, 572.4, 572.8, 785.50, 785.51, 785.59, 799.1 (88), 799.1 (89), 799.1 (90), 852.25

Table A-2

DIAGNOSTIC AND PROCEDURE CATEGORIES

The following lists the ICD-9-CM diagnostic and procedure codes used to classify and group patients for presentation

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*
Heart Disorders/Procedures	
Acute Myocardial Infarction (AMI)	All of 410 (D) (on 10/1/89 exclude 410 with 5th digit of a 2)

Note: *For code 410 a 5th digit was added on October 1, 1989.*

Congestive Heart Failure (CHF)	398.91, 402.01, 402.11, 402.91, 428.0, 428.1, 428.9 (all D)
Angioplasty (ANGPLSTY)	All of 36.0 (P) excluding 36.00, 36.03, 36.04, 36.09 (all P)

Note: *Code 36.0 had a 4th digit added on October 1, 1986. Code 36.0 got digits of 0, 1, 2, 3, and 9, and code 36.04 got some previously coded cases of 39.97. On October 1, 1987, code 36.01 was divided into 36.01 and 36.05, and some cases from 36.02 were put into 36.05.*

Coronary Artery Bypass Graft (CABG)	All of 36.1(P) and not Angioplasty (see above)
Pacemaker Insertion, Initial (PACE)	37.73, 37.74, 37.75, 37.77 (after 10/1/87 use 37.70 through 37.73) (all P)

Note: *Code 37.70 was restructured on October 1, 1987. Previously the code contained both leads and devices. On October 1 these were separated and devices were coded as 37.80 through 37.83, and codes for the leads were changed into various 37.70 codes.*

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*
Pulmonary Disorders	
Pneumonia/Influenza (PNU)	All of 480, all of 481, 482.2, 482.3, 482.9, 483, 485, 486, 487.0 (all D)
Chronic Obstructive Pulmonary Disease (COPD)	All of 491, all of 492, all of 494, all of 496; and 466.0, 518.82, 518.5, and 786.09 when there is a secondary diagnosis of any 496 (all D)

Note: *Code 518.8 got a 5th digit on October l, 1987. Some cases from 799.1 were put into codes 518.81 and 518.82.*

Cerebrovascular Disorders/Procedures	
Transient Cerebral Ischemia (TCI)	433.1, 433.3, 435 (D) and exclude those patients with an endarterectomy at the time of admission—38.12(P)
Stroke (STK)	431, 434 through 434.9, 436 (all D)
Carotid Endarterectomy (ENDART)	38.12 (P) with 433.1 (D); 433.3 (D) or 435(D) as a principal diagnosis
Musculoskeletal Disorders/Procedures	
Fracture of Neck of Femur (FXHIP)	All of 820 (D)
Hip Replacement/Revision (HIPREP)	81.5, 81.6 (exclude 81.69) (all P). On 10/1/89 code 81.51 (P) through 81.53 (P) with same diagnoses.
Open Reduction of Fractured Femur (OPRDUX)	79.35(P) on condition of 820 (D) as principal diagnosis

CONDITION/PROCEDURE	ICD-9-CM CODES *(D)=Diagnosis code* *(P)=Procedure code*
Genitourinary Disorders/Procedures	
Prostatectomy (PROS)	60.2, 60.3 through 60.69 (all P)
Hysterectomy (HYS)	68.3 through 68.7 (P)
Gastrointestinal Disorders/Procedures	
Cholecystectomy (CHOLOTMY)	51.22 (P)
Sepsis	
Sepsis	003.1, 020.2, 022.3, 036.2, 036.3, 036.89, 036.9, 038.0, 038.1, 038.2, 038.3, 038.40, 038.41, 038.42, 038.43, 038.44, 038.49, 038.8, 038.9, 054.5

Table A-3

EXPLANATORY VARIABLES FOR THE MORTALITY MODEL

Generally the same variables are used for all diagnostic categories.

Demographics

SXFM An indicator variable: = 1 if Female, 0 otherwise

AGEFM = AGESP if SXFM = 1, 0 otherwise
AGEML = AGESP if SXFM = 0, 0 otherwise

where

$$\text{AGESP} = \operatorname{sign}(W-65)\left(\left|\frac{W-65}{65}\right|\right)^{1.44}$$

and

$$W = \left\{ \begin{array}{c} 23 \text{ if AGE} \leq 23 \\ \text{AGE if } 23 < \text{AGE} < 100 \\ 100 \text{ if } 100 \leq \text{AGE} \end{array} \right\}$$

Comorbidities		**ICD-9-CM Codes**
(Indicator variables = 1 if comorbidity present on current or prior admission with discharge within 6 months prior to current admission, 0 otherwise)		
CCA	Cancer	141-160.9, 162-172.9, 174-208.91
CCV	Chronic cardiovascular disease	412-414.9, 426-429.1
CLV	Chronic liver disease	571-572.8
CRN	Chronic renal disease	582-583.9, 585-587, 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93
CDI	Chronic diabetes	250.01, 250.1-250.91
COP	Chronic pulmonary disease	491-493.91, 496
CCE	Cerebrovascular degeneration	290-290.9, 294-299.9

Co Occurrence of Comorbidities

COP_CCV	1 if COP = 1 and CCV = 1, 0 otherwise
CCA_CCV	1 if CCA = 1 and CCV = 1, 0 otherwise
COP_CCA	1 if COP = 1 and CCA = 1, 0 otherwise
CCE_CCV	1 if CCE = 1 and CCV = 1, 0 otherwise
CRN_CCV	1 if CRN = 1 and CCV = 1, 0 otherwise

Admission Sources and Types

(Indicator variables = 1 if source or type present, 0 otherwise)

PREF	Patient referred by personal or HMO physician
TRSNF	Patient transferred from skilled nursing facility
ELCT	Patient admitted for elective procedure
EMRG	Patient admitted for emergency

Co-Occurrence of Admission Source and Type

PREF_ELEC = 1 if PREF = 1 and ELCT = 1, 0 otherwise

Previous Hospitalizations

P_RISK1	Number at 1st risk level with 3 or more set to 3
P_RISK2	Number at 2nd risk level with 3 or more set to 3
P_RISK3	Number at 3rd risk level with 3 or more set to 3
P_RISK4	Number at 4th risk level with 4 or more set to 4
P_RISK5	Number at 5th risk level with 3 or more set to 3
F(T)	Probability of death from previous admission if discharge within 182 days of current admission, 0 otherwise

Time Trend

FLAG89	1 if discharge in FY1989, 0 otherwise
FLAG90	1 if discharge in FY1990, 0 otherwise
INYEAR	Difference between current admission date and April 1 of fiscal year of discharge

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 1-1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.910	0.073	3.863	0.067	-4.019	0.026
SXFM	-0.285	0.040	0.000	.	-0.663	0.021
AGEML	1.863	0.290	-4.676	0.634	5.997	0.152
AGEFM	2.356	0.265	-2.454	0.551	8.196	0.119
PREF	-0.261	0.038	0.000	.	-0.136	0.019
TRSNF	0.550	0.163	0.000	.	0.747	0.075
ELCT	-0.663	0.044	0.000	.	-0.250	0.021
EMRG	0.136	0.038	0.000	.	0.087	0.020
PREF_ELC	0.000	.	0.000	.	0.000	.
CCA	1.429	0.071	-4.591	0.253	0.000	.
CCV	1.257	0.069	0.000	.	0.449	0.018
CLV	0.392	0.217	0.000	.	1.395	0.069
CRN	0.950	0.077	-5.881	0.848	0.000	.
CDI	0.000	.	-0.725	0.126	0.674	0.031
COP	0.000	.	-0.901	0.193	0.721	0.031
CCE	0.000	.	-1.596	0.317	0.715	0.048
COP_CCV	0.000	.	0.805	0.223	-0.142	0.043
CCA_CCV	-0.946	0.089	1.000	0.240	0.000	.
COP_CCA	0.160	0.061	0.000	.	0.000	.
CCE_CCV	0.000	.	1.748	0.519	0.000	.
CRN_CCV	-0.834	0.109	1.781	0.842	0.000	.
F(t)	0.000	.	-1.321	0.390	0.000	.
P_RISK1	0.000	.	-0.246	0.107	0.072	0.029
P_RISK2	0.000	.	0.000	.	0.290	0.026
P_RISK3	0.264	0.028	0.000	.	0.237	0.022
P_RISK4	0.348	0.041	-0.657	0.123	0.622	0.030
P_RISK5	0.650	0.036	0.000	.	0.622	0.030
INYEAR	0.011	0.065	1.613	0.202	0.421	0.031
FLAG89	0.000	.	0.000	.	-0.047	0.017
FLAG90	-0.099	0.032	0.000	.	-0.107	0.019
REFERENCE MODEL	-2.819	0.042	2.968	0.054	-3.561	0.007

NUMBER OF CASES	901,184
DEATHS (365 DAYS)	26,867
CHI-SQUARE	33,399
DEGREES OF FREEDOM	55

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 1-2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.847	0.056	3.077	0.061	-3.904	0.025
SXFM	0.000	.	-0.137	0.055	-0.695	0.025
AGEML	3.687	0.225	-2.987	0.343	7.255	0.100
AGEFM	3.029	0.251	-2.249	0.366	7.697	0.168
PREF	-0.452	0.040	0.000	.	-0.183	0.019
TRSNF	0.000	.	0.000	.	0.586	0.058
ELCT	-0.644	0.088	0.000	.	-0.261	0.016
EMRG	0.210	0.045	-0.190	0.050	0.140	0.022
PREF_ELC	0.381	0.091	0.000	.	0.000	.
CCA	1.028	0.052	-3.447	0.153	0.000	.
CCV	1.733	0.052	0.301	0.052	0.448	0.017
CLV	0.876	0.185	-0.413	0.230	1.287	0.083
CRN	0.505	0.075	-4.171	0.551	0.000	.
CDI	0.188	0.063	0.000	.	0.709	0.026
COP	0.287	0.058	0.000	.	0.599	0.022
CCE	0.429	0.112	-0.756	0.159	0.848	0.053
COP_CCV	-0.417	0.088	0.000	.	-0.134	0.036
CCA_CCV	-1.108	0.126	2.647	0.237	0.925	0.055
COP_CCA	0.000	.	-3.110	0.784	-1.673	0.851
CCE_CCV	-0.625	0.186	0.000	.	-0.597	0.096
CRN_CCV	0.000	.	3.757	0.533	0.618	0.072
F(t)	0.000	.	0.000	.	-0.371	0.121
P_RISK1	0.000	.	0.000	.	0.000	.
P_RISK2	0.109	0.054	0.000	.	0.275	0.028
P_RISK3	0.278	0.035	0.000	.	0.326	0.024
P_RISK4	0.244	0.051	-0.316	0.090	0.634	0.027
P_RISK5	0.689	0.039	0.000	.	0.695	0.036
INYEAR	0.000	.	1.102	0.071	0.452	0.025
FLAG89	0.000	.	0.172	0.044	-0.047	0.016
FLAG90	0.000	.	0.159	0.044	-0.104	0.017
REFERENCE MODEL	-2.405	0.025	2.703	0.029	-3.460	0.007

NUMBER OF CASES	1,038,388
DEATHS (365 DAYS)	36,916
CHI-SQUARE	37,861
DEGREES OF FREEDOM	61

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 1-3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-3.325	0.050	2.009	0.064	-3.557	0.020
SXFM	-0.135	0.027	0.000	.	-0.485	0.018
AGEML	1.566	0.160	6.068	0.385	6.824	0.094
AGEFM	1.524	0.189	3.095	0.296	7.245	0.088
PREF	0.000	.	0.213	0.051	-0.143	0.014
TRSNF	0.293	0.124	-1.339	0.290	0.469	0.060
ELCT	-0.535	0.035	0.000	.	-0.236	0.014
EMRG	0.129	0.029	0.000	.	0.041	0.014
PREF_ELC	0.000	.	0.000	.	0.000	.
CCA	2.215	0.051	-2.233	0.100	0.616	0.074
CCV	1.354	0.066	0.475	0.076	0.368	0.014
CLV	0.564	0.101	-0.850	0.278	0.948	0.069
CRN	0.955	0.070	-2.610	0.192	0.931	0.071
CDI	0.159	0.046	0.000	.	0.610	0.020
COP	0.240	0.058	0.000	.	0.631	0.019
CCE	-0.125	0.093	0.000	.	0.752	0.028
COP_CCV	-0.266	0.088	-0.367	0.135	-0.242	0.033
CCA_CCV	-1.450	0.070	0.000	.	0.000	.
COP_CCA	0.000	.	0.000	.	-0.265	0.123
CCE_CCV	0.000	.	0.000	.	-0.180	0.047
CRN_CCV	-0.341	0.096	0.000	.	-0.881	0.160
F(t)	-0.321	0.115	-3.501	0.457	-0.513	0.119
P_RISK1	-0.140	0.046	-0.278	0.088	0.000	.
P_RISK2	0.000	.	-0.380	0.107	0.160	0.028
P_RISK3	0.209	0.023	0.000	.	0.268	0.018
P_RISK4	0.313	0.031	-0.712	0.117	0.527	0.028
P_RISK5	0.631	0.031	0.000	.	0.599	0.029
INYEAR	-0.454	0.049	0.000	.	0.296	0.020
FLAG89	0.000	.	0.000	.	-0.048	0.012
FLAG90	0.000	.	0.000	.	-0.092	0.013
REFERENCE MODEL	-2.611	0.027	2.282	0.036	-2.960	0.006

NUMBER OF CASES	970,987
DEATHS (365 DAYS)	54,128
CHI-SQUARE	50,214
DEGREES OF FREEDOM	61

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 1-4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.751	0.037	1.733	0.039	-3.590	0.019
SXFM	-0.117	0.021	0.000	.	-0.587	0.020
AGEML	2.277	0.125	3.372	0.198	7.634	0.101
AGEFM	3.180	0.133	1.794	0.163	8.181	0.096
PREF	-0.276	0.023	0.000	.	0.000	.
TRSNF	0.613	0.079	0.000	.	0.576	0.044
ELCT	-0.603	0.058	0.000	.	-0.380	0.016
EMRG	0.084	0.024	0.000	.	0.118	0.015
PREF_ELC	0.174	0.066	0.219	0.048	0.000	.
CCA	2.005	0.035	-1.795	0.056	0.000	.
CCV	1.475	0.041	0.563	0.047	0.363	0.017
CLV	0.825	0.069	0.000	.	0.906	0.048
CRN	1.197	0.048	-1.654	0.149	0.463	0.086
CDI	0.212	0.035	0.000	.	0.547	0.023
COP	0.216	0.041	0.000	.	0.572	0.022
CCE	0.000	.	-0.258	0.102	0.739	0.030
COP_CCV	-0.315	0.072	-0.521	0.094	-0.312	0.044
CCA_CCV	-1.380	0.046	0.000	.	0.000	.
COP_CCA	0.000	.	0.000	.	0.000	.
CCE_CCV	0.000	.	0.000	.	-0.325	0.053
CRN_CCV	-0.458	0.083	0.568	0.167	0.000	.
F(t)	-0.276	0.087	0.000	.	-0.257	0.101
P_RISK1	-0.199	0.036	-0.244	0.056	0.000	.
P_RISK2	0.131	0.034	-0.200	0.063	0.130	0.028
P_RISK3	0.135	0.022	-0.192	0.051	0.323	0.021
P_RISK4	0.286	0.026	-0.543	0.062	0.459	0.029
P_RISK5	0.579	0.031	-0.371	0.083	0.622	0.036
INYEAR	-0.609	0.034	0.000	.	0.309	0.022
FLAG89	0.000	.	0.000	.	0.000	.
FLAG90	-0.049	0.020	0.000	.	-0.084	0.014
REFERENCE MODEL	-2.183	0.017	1.989	0.023	-3.067	0.007

NUMBER OF CASES	965,742
DEATHS (365 DAYS)	56,380
CHI-SQUARE	65,109
DEGREES OF FREEDOM	61

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 2-1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.230	0.046	2.809	0.039	-3.268	0.016
SXFM	-0.372	0.033	0.000	.	-0.472	0.015
AGEML	4.616	0.177	0.000	.	4.990	0.075
AGEFM	4.480	0.184	-0.835	0.170	5.745	0.073
PREF	-0.090	0.025	0.000	.	-0.093	0.011
TRSNF	0.626	0.080	0.000	.	0.472	0.042
ELCT	0.000	.	0.000	.	-0.210	0.018
EMRG	0.060	0.023	0.000	.	0.033	0.011
PREF_ELC	-0.350	0.046	0.000	.	0.000	.
CCA	1.412	0.053	-0.784	0.065	1.477	0.029
CCV	0.786	0.035	0.193	0.037	0.244	0.011
CLV	0.903	0.109	0.000	.	0.920	0.052
CRN	1.182	0.071	0.000	.	1.089	0.032
CDI	0.313	0.049	-0.129	0.060	0.503	0.018
COP	0.341	0.056	-0.172	0.049	0.399	0.014
CCE	0.000	.	-0.451	0.061	0.596	0.027
COP_CCV	-0.272	0.059	0.000	.	0.000	.
CCA_CCV	-0.647	0.064	0.000	.	-0.368	0.037
COP_CCA	0.000	.	0.435	0.097	0.000	.
CCE_CCV	0.000	.	0.000	.	-0.164	0.037
CRN_CCV	-0.202	0.084	0.000	.	-0.147	0.041
F(t)	-0.414	0.100	0.000	.	0.130	0.059
P_RISK1	-0.229	0.049	0.000	.	-0.053	0.021
P_RISK2	0.000	.	-0.179	0.036	0.134	0.016
P_RISK3	0.118	0.027	-0.143	0.038	0.170	0.014
P_RISK4	0.371	0.030	-0.310	0.042	0.505	0.015
P_RISK5	0.536	0.037	-0.260	0.049	0.516	0.019
INYEAR	-0.547	0.054	1.547	0.073	0.608	0.019
FLAG89	-0.114	0.023	0.000	.	0.000	.
FLAG90	-0.144	0.024	0.000	.	-0.064	0.010
REFERENCE MODEL	-1.462	0.015	2.361	0.019	-2.577	0.005

NUMBER OF CASES	893,642
DEATHS (365 DAYS)	80,893
CHI-SQUARE	59,396
DEGREES OF FREEDOM	61

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 2-2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-1.843	0.032	2.466	0.023	-3.375	0.016
SXFM	-0.178	0.025	0.000	.	-0.414	0.017
AGEML	5.165	0.156	0.000	.	4.597	0.101
AGEFM	5.332	0.125	-0.369	0.118	5.801	0.083
PREF	-0.245	0.018	0.000	.	-0.048	0.012
TRSNF	0.451	0.066	-0.149	0.077	0.544	0.046
ELCT	-0.304	0.026	0.000	.	0.000	.
EMRG	0.107	0.017	0.000	.	0.000	.
PREF_ELC	0.000	.	0.000	.	-0.206	0.016
CCA	1.274	0.037	-0.584	0.049	1.785	0.028
CCV	0.920	0.024	0.312	0.024	0.374	0.014
CLV	1.158	0.046	0.000	.	0.651	0.046
CRN	1.279	0.051	-0.160	0.053	1.078	0.039
CDI	0.258	0.029	0.000	.	0.464	0.019
COP	0.264	0.037	-0.113	0.034	0.479	0.022
CCE	0.000	.	-0.221	0.064	0.629	0.034
COP_CCV	-0.189	0.044	0.000	.	-0.109	0.029
CCA_CCV	-0.607	0.052	0.000	.	-0.610	0.042
COP_CCA	0.000	.	0.000	.	-0.242	0.045
CCE_CCV	-0.222	0.081	0.000	.	-0.116	0.052
CRN_CCV	-0.390	0.061	0.000	.	-0.169	0.054
F(t)	-0.549	0.080	0.000	.	0.135	0.068
P_RISK1	-0.205	0.044	-0.163	0.054	-0.091	0.030
P_RISK2	0.000	.	-0.173	0.027	0.123	0.019
P_RISK3	0.114	0.024	-0.141	0.031	0.227	0.016
P_RISK4	0.339	0.023	-0.272	0.031	0.445	0.017
P_RISK5	0.571	0.028	-0.202	0.033	0.525	0.022
INYEAR	-0.542	0.037	0.898	0.044	0.619	0.022
FLAG89	-0.086	0.017	0.000	.	0.000	.
FLAG90	-0.122	0.018	0.000	.	-0.027	0.012
REFERENCE MODEL	-1.076	0.011	2.244	0.013	-2.736	0.006

NUMBER OF CASES	850,382
DEATHS (365 DAYS)	79,641
CHI-SQUARE	70,530
DEGREES OF FREEDOM	64

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 2-3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.225	0.039	2.447	0.031	-2.936	0.015
SXFM	-0.097	0.028	0.000	.	-0.464	0.014
AGEML	3.310	0.198	0.857	0.204	5.131	0.082
AGEFM	3.638	0.126	0.000	.	5.498	0.058
PREF	-0.162	0.022	0.000	.	-0.065	0.010
TRSNF	0.546	0.067	0.000	.	0.465	0.033
ELCT	-0.628	0.082	0.000	.	0.000	.
EMRG	0.146	0.021	0.000	.	0.030	0.010
PREF_ELC	-0.452	0.093	0.000	.	-0.123	0.015
CCA	2.146	0.034	-0.406	0.038	1.219	0.021
CCV	1.084	0.031	0.376	0.030	0.295	0.011
CLV	1.235	0.097	0.432	0.112	0.857	0.039
CRN	1.162	0.055	0.000	.	0.975	0.028
CDI	0.000	.	-0.186	0.040	0.369	0.015
COP	0.491	0.042	0.000	.	0.425	0.016
CCE	-0.165	0.061	-0.302	0.068	0.556	0.020
COP_CCV	-0.208	0.051	0.000	.	-0.105	0.022
CCA_CCV	-0.893	0.044	0.000	.	-0.335	0.031
COP_CCA	-0.550	0.064	0.000	.	-0.172	0.039
CCE_CCV	0.000	.	0.000	.	-0.212	0.033
CRN_CCV	-0.195	0.073	0.000	.	-0.251	0.042
F(t)	-0.386	0.076	0.000	.	0.000	.
P_RISK1	-0.227	0.055	-0.225	0.069	-0.063	0.025
P_RISK2	0.068	0.028	-0.159	0.036	0.207	0.013
P_RISK3	0.099	0.025	-0.145	0.036	0.267	0.013
P_RISK4	0.344	0.027	-0.202	0.035	0.463	0.013
P_RISK5	0.502	0.029	-0.279	0.038	0.487	0.016
INYEAR	-0.603	0.046	1.243	0.065	0.565	0.018
FLAG89	-0.122	0.021	0.000	.	-0.048	0.010
FLAG90	-0.104	0.022	0.000	.	-0.119	0.011
REFERENCE MODEL	-1.267	0.013	2.254	0.016	-2.340	0.005

NUMBER OF CASES	871,114
DEATHS (365 DAYS)	100,484
CHI-SQUARE	75,579
DEGREES OF FREEDOM	66

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 2-4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-1.817	0.028	2.111	0.034	-2.955	0.017
SXFM	-0.084	0.016	0.000	.	-0.388	0.015
AGEML	2.643	0.114	1.696	0.164	5.933	0.096
AGEFM	2.744	0.103	0.567	0.130	5.930	0.076
PREF	-0.261	0.020	-0.070	0.025	-0.114	0.012
TRSNF	0.484	0.044	0.000	.	0.458	0.028
ELCT	-0.234	0.046	0.000	.	-0.095	0.014
EMRG	0.091	0.015	0.000	.	0.027	0.011
PREF_ELC	-0.144	0.050	0.000	.	0.000	.
CCA	1.685	0.029	-1.555	0.047	0.000	.
CCV	1.138	0.025	0.358	0.030	0.310	0.012
CLV	0.789	0.049	0.000	.	0.916	0.036
CRN	0.910	0.039	-0.608	0.071	0.834	0.046
CDI	0.000	.	-0.145	0.032	0.377	0.016
COP	0.116	0.032	-0.166	0.040	0.379	0.019
CCE	-0.185	0.048	-0.267	0.072	0.563	0.022
COP_CCV	-0.152	0.041	0.000	.	-0.127	0.026
CCA_CCV	-0.932	0.048	0.523	0.101	0.569	0.077
COP_CCA	0.000	.	0.243	0.060	0.000	.
CCE_CCV	0.000	.	0.000	.	-0.310	0.036
CRN_CCV	-0.270	0.052	0.000	.	-0.321	0.056
F(t)	-0.380	0.067	-0.591	0.103	0.000	.
P_RISK1	-0.243	0.029	0.000	.	0.000	.
P_RISK2	0.000	.	-0.243	0.025	0.105	0.017
P_RISK3	0.077	0.016	-0.147	0.030	0.189	0.016
P_RISK4	0.275	0.019	-0.233	0.033	0.425	0.016
P_RISK5	0.599	0.015	0.000	.	0.486	0.016
INYEAR	-0.657	0.035	0.403	0.066	0.380	0.021
FLAG89	-0.062	0.015	0.000	.	0.000	.
FLAG90	-0.062	0.015	0.000	.	-0.081	0.010
REFERENCE MODEL	-1.102	0.010	1.995	0.014	-2.311	0.006
NUMBER OF CASES	863,565					
DEATHS (365 DAYS)	112,960					
CHI-SQUARE	87,667					
DEGREES OF FREEDOM	64					

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 3-1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-1.268	0.027	2.936	0.026	-3.116	0.014
SXFM	-0.346	0.020	0.000	.	-0.445	0.013
AGEML	3.758	0.094	0.000	.	5.307	0.057
AGEFM	3.824	0.131	-0.528	0.127	5.494	0.070
PREF	-0.068	0.020	0.085	0.022	-0.034	0.011
TRSNF	0.467	0.059	0.000	.	0.446	0.039
ELCT	-0.533	0.051	0.000	.	-0.176	0.029
EMRG	0.000	.	0.000	.	0.076	0.009
PREF_ELC	-0.339	0.056	0.000	.	-0.119	0.031
CCA	1.668	0.029	-0.431	0.030	1.417	0.016
CCV	0.831	0.025	0.220	0.025	0.157	0.010
CLV	0.883	0.068	0.000	.	0.804	0.049
CRN	0.973	0.041	0.000	.	0.906	0.019
CDI	0.000	.	-0.246	0.027	0.449	0.015
COP	0.117	0.050	-0.184	0.052	0.368	0.012
CCE	0.000	.	-0.355	0.061	0.588	0.030
COP_CCV	-0.276	0.057	-0.084	0.061	0.000	.
CCA_CCV	-0.728	0.032	0.000	.	-0.247	0.022
COP_CCA	-0.234	0.049	0.000	.	-0.239	0.031
CCE_CCV	-0.358	0.072	0.000	.	-0.157	0.042
CRN_CCV	-0.405	0.062	-0.275	0.059	0.000	.
F(t)	0.000	.	0.000	.	0.344	0.044
P_RISK1	-0.315	0.047	-0.122	0.052	0.000	.
P_RISK2	0.000	.	-0.141	0.025	0.111	0.016
P_RISK3	0.128	0.015	-0.113	0.019	0.165	0.009
P_RISK4	0.243	0.020	-0.335	0.028	0.453	0.013
P_RISK5	0.493	0.022	-0.156	0.029	0.429	0.017
INYEAR	-0.211	0.032	1.203	0.040	0.530	0.016
FLAG89	-0.075	0.015	0.000	.	-0.035	0.009
FLAG90	-0.112	0.015	0.000	.	-0.088	0.010
REFERENCE MODEL	-0.543	0.009	2.738	0.011	-2.402	0.004

NUMBER OF CASES	1,070,649
DEATHS (365 DAYS)	125,103
CHI-SQUARE	97,893
DEGREES OF FREEDOM	65

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 3-2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-0.725	0.023	3.078	0.020	-3.022	0.013
SXFM	-0.063	0.016	0.000	.	-0.287	0.009
AGEML	3.656	0.108	-4.144	0.128	1.171	0.073
AGEFM	3.018	0.090	-4.004	0.111	2.035	0.078
PREF	-0.266	0.016	-0.105	0.016	-0.085	0.011
TRSNF	0.260	0.050	-0.262	0.069	0.434	0.047
ELCT	-0.320	0.030	0.000	.	-0.247	0.021
EMRG	0.129	0.012	0.000	.	0.064	0.010
PREF_ELC	-0.236	0.033	0.000	.	0.100	0.022
CCA	0.446	0.026	-0.565	0.034	2.429	0.013
CCV	0.837	0.017	0.341	0.019	0.180	0.013
CLV	1.142	0.040	-0.190	0.043	0.465	0.035
CRN	0.976	0.042	-0.426	0.058	0.582	0.038
CDI	0.000	.	-0.294	0.022	0.190	0.016
COP	0.113	0.023	-0.149	0.033	0.434	0.017
CCE	-0.329	0.050	-1.037	0.084	0.134	0.046
COP_CCV	0.000	.	0.138	0.032	0.000	.
CCA_CCV	-0.144	0.038	0.145	0.051	-0.440	0.019
COP_CCA	-0.156	0.051	0.000	.	-0.286	0.022
CCE_CCV	0.310	0.084	0.971	0.121	0.490	0.069
CRN_CCV	-0.243	0.058	0.164	0.077	0.285	0.056
F(t)	-0.239	0.085	0.543	0.109	1.264	0.035
P_RISK1	-0.210	0.038	-0.120	0.041	0.000	.
P_RISK2	-0.077	0.023	-0.252	0.026	0.000	.
P_RISK3	-0.329	0.012	-0.510	0.016	0.080	0.004
P_RISK4	0.099	0.015	-0.605	0.022	0.024	0.010
P_RISK5	0.290	0.020	-0.358	0.027	0.291	0.009
INYEAR	-0.513	0.024	0.361	0.030	0.188	0.013
FLAG89	-0.081	0.011	0.000	.	0.000	.
FLAG90	-0.118	0.012	0.000	.	-0.028	0.007
REFERENCE MODEL	-0.401	0.007	2.298	0.010	-2.040	0.004

NUMBER OF CASES	1,067,780
DEATHS (365 DAYS)	186,236
CHI-SQUARE	212,952
DEGREES OF FREEDOM	74

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 3-3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-1.219	0.024	2.624	0.023	-2.619	0.010
SXFM	-0.296	0.016	0.000	.	-0.337	0.010
AGEML	3.417	0.102	-0.541	0.123	3.408	0.062
AGEFM	3.489	0.092	-0.753	0.100	3.874	0.055
PREF	-0.247	0.016	-0.072	0.018	-0.098	0.008
TRSNF	0.514	0.035	0.000	.	0.516	0.026
ELCT	-0.097	0.039	0.000	.	-0.077	0.011
EMRG	0.095	0.011	0.000	.	0.000	.
PREF_ELC	-0.239	0.044	0.000	.	0.000	.
CCA	1.395	0.023	-0.682	0.031	1.667	0.017
CCV	0.863	0.019	0.361	0.021	0.200	0.008
CLV	0.736	0.058	-0.169	0.073	0.576	0.039
CRN	0.720	0.023	0.000	.	0.835	0.013
CDI	0.078	0.026	-0.079	0.032	0.344	0.012
COP	0.261	0.025	-0.101	0.028	0.378	0.009
CCE	0.109	0.037	-0.268	0.041	0.411	0.017
COP_CCV	-0.153	0.031	-0.093	0.033	0.000	.
CCA_CCV	-0.625	0.028	0.000	.	-0.420	0.023
COP_CCA	-0.128	0.040	0.274	0.056	-0.353	0.028
CCE_CCV	-0.190	0.046	0.000	.	0.000	.
CRN_CCV	0.000	.	-0.082	0.034	0.000	.
F(t)	-0.314	0.046	0.000	.	0.242	0.038
P_RISK1	-0.207	0.034	-0.089	0.042	-0.070	0.019
P_RISK2	-0.070	0.022	-0.155	0.029	0.108	0.013
P_RISK3	0.046	0.012	-0.176	0.017	0.184	0.008
P_RISK4	0.232	0.014	-0.251	0.020	0.342	0.010
P_RISK5	0.429	0.016	-0.211	0.022	0.421	0.012
INYEAR	-0.581	0.027	1.318	0.036	0.769	0.015
FLAG89	-0.067	0.012	0.000	.	0.000	.
FLAG90	-0.085	0.012	0.000	.	-0.044	0.007
REFERENCE MODEL	-0.513	0.007	2.159	0.009	-2.017	0.004

NUMBER OF CASES	1,074,743
DEATHS (365 DAYS)	192,359
CHI-SQUARE	138,555
DEGREES OF FREEDOM	69

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 3-4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-0.958	0.019	2.334	0.017	-2.490	0.011
SXFM	-0.263	0.014	0.000	.	-0.347	0.011
AGEML	3.984	0.080	-0.374	0.097	3.886	0.064
AGEFM	3.354	0.071	-0.638	0.078	3.936	0.056
PREF	-0.172	0.014	-0.067	0.014	0.000	.
TRSNF	0.312	0.034	-0.120	0.043	0.373	0.026
ELCT	-0.399	0.036	-0.043	0.026	0.000	.
EMRG	0.064	0.010	0.000	.	0.015	0.008
PREF_ELC	-0.221	0.037	0.000	.	-0.149	0.012
CCA	1.381	0.019	-0.361	0.024	1.315	0.018
CCV	0.961	0.014	0.331	0.015	0.269	0.010
CLV	0.871	0.036	0.000	.	0.581	0.035
CRN	1.057	0.024	0.000	.	0.870	0.019
CDI	0.000	.	-0.157	0.021	0.275	0.014
COP	0.310	0.019	0.000	.	0.317	0.013
CCE	0.000	.	-0.203	0.025	0.321	0.016
COP_CCV	-0.209	0.025	0.000	.	-0.065	0.019
CCA_CCV	-0.704	0.027	0.000	.	-0.396	0.026
COP_CCA	-0.162	0.035	0.000	.	-0.186	0.032
CCE_CCV	-0.259	0.0[illegible]	0.000	.	-0.132	0.026
CRN_CCV	-0.249	0.033	0.000	.	-0.141	0.031
F(t)	-0.525	0.044	0.000	.	0.147	0.043
P_RISK1	-0.237	0.029	-0.122	0.036	-0.143	0.022
P_RISK2	0.000	.	-0.041	0.019	0.097	0.014
P_RISK3	0.098	0.012	-0.086	0.016	0.197	0.009
P_RISK4	0.236	0.013	-0.187	0.018	0.313	0.012
P_RISK5	0.432	0.015	-0.165	0.020	0.430	0.014
INYEAR	-0.447	0.021	0.970	0.029	0.690	0.016
FLAG89	-0.061	0.010	0.000	.	0.000	.
FLAG90	-0.067	0.011	0.000	.	-0.029	0.008
REFERENCE MODEL	-0.285	0.006	2.094	0.008	-1.975	0.004

NUMBER OF CASES	1,060,174
DEATHS (365 DAYS)	214,065
CHI-SQUARE	129,331
DEGREES OF FREEDOM	67

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-0

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.263	0.029	2.496	0.028	-2.055	0.023
SXFM	-0.214	0.022	0.000	.	-0.288	0.024
AGEML	2.709	0.144	-0.433	0.180	2.382	0.162
AGEFM	2.398	0.149	-0.519	0.164	3.271	0.148
PREF	-0.260	0.026	-0.141	0.029	0.102	0.024
TRSNF	0.000	.	-0.493	0.065	0.000	.
ELCT	-0.504	0.058	0.000	.	-0.099	0.024
EMRG	0.158	0.019	0.000	.	0.000	.
PREF_ELC	-0.210	0.064	0.000	.	0.000	.
CCA	0.844	0.030	-0.398	0.038	1.135	0.033
CCV	0.600	0.027	0.210	0.028	0.068	0.025
CLV	0.832	0.044	0.000	.	0.309	0.071
CRN	0.717	0.047	0.000	.	0.517	0.050
CDI	-0.105	0.046	-0.176	0.050	0.000	.
COP	0.000	.	0.000	.	0.258	0.028
CCE	-0.224	0.063	-0.182	0.080	0.221	0.054
COP_CCV	0.000	.	0.000	.	0.000	.
CCA_CCV	-0.396	0.045	0.000	.	-0.120	0.053
COP_CCA	0.000	.	0.000	.	-0.204	0.060
CCE_CCV	0.000	.	0.000	.	0.000	.
CRN_CCV	-0.137	0.066	0.000	.	0.000	.
F(t)	-0.252	0.087	0.000	.	0.605	0.117
P_RISK1	-0.170	0.039	0.000	.	0.000	.
P_RISK2	0.000	.	0.000	.	0.086	0.033
P_RISK3	0.085	0.024	-0.092	0.034	0.127	0.031
P_RISK4	0.186	0.022	-0.157	0.028	0.212	0.026
P_RISK5	0.313	0.029	-0.136	0.036	0.302	0.038
INYEAR	-0.186	0.040	0.871	0.053	0.721	0.041
FLAG89	0.000	.	0.000	.	0.000	.
FLAG90	0.000	.	0.027	0.018	0.000	.
REFERENCE MODEL	0.582	0.012	2.229	0.014	-1.672	0.011

NUMBER OF CASES	127,509
DEATHS (365 DAYS)	39,664
CHI-SQUARE	19,585
DEGREES OF FREEDOM	53

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-0.515	0.019	2.807	0.017	-2.838	0.015
SXFM	-0.286	0.015	0.000	.	-0.306	0.014
AGEML	3.429	0.084	-1.261	0.091	3.976	0.075
AGEFM	2.991	0.074	-1.397	0.073	4.189	0.062
PREF	-0.177	0.011	0.000	.	-0.050	0.010
TRSNF	0.226	0.038	-0.153	0.046	0.414	0.030
ELCT	-0.128	0.033	0.000	.	0.000	.
EMRG	0.139	0.010	0.000	.	0.038	0.009
PREF_ELC	-0.155	0.038	0.000	.	-0.216	0.018
CCA	1.008	0.023	-0.599	0.027	1.585	0.021
CCV	1.009	0.014	0.344	0.015	0.338	0.011
CLV	0.884	0.043	-0.123	0.048	0.716	0.038
CRN	0.987	0.034	-0.100	0.032	0.870	0.031
CDI	0.192	0.018	0.000	.	0.343	0.016
COP	0.241	0.019	0.000	.	0.420	0.016
CCE	-0.165	0.027	-0.447	0.041	0.410	0.025
COP_CCV	-0.241	0.029	-0.129	0.025	-0.091	0.023
CCA_CCV	-0.730	0.030	0.000	.	-0.532	0.031
COP_CCA	0.000	.	0.000	.	-0.289	0.036
CCE_CCV	0.000	.	0.260	0.047	-0.081	0.038
CRN_CCV	-0.222	0.037	0.000	.	-0.094	0.041
F(t)	-0.525	0.047	0.000	.	0.200	0.049
P_RISK1	-0.125	0.025	0.000	.	-0.096	0.025
P_RISK2	-0.055	0.023	-0.117	0.027	0.110	0.018
P_RISK3	0.037	0.017	-0.109	0.021	0.179	0.014
P_RISK4	0.178	0.014	-0.146	0.016	0.341	0.011
P_RISK5	0.470	0.018	-0.112	0.021	0.447	0.017
INYEAR	-0.079	0.022	1.003	0.026	0.616	0.018
FLAG89	0.000	.	0.053	0.010	0.000	.
FLAG90	0.000	.	0.076	0.011	-0.018	0.010
REFERENCE MODEL	0.311	0.006	2.594	0.007	-2.087	0.005
NUMBER OF CASES	789,203					
DEATHS (365 DAYS)	156,365					
CHI-SQUARE	91,542					
DEGREES OF FREEDOM	69					

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.108	0.018	2.916	0.017	-2.680	0.015
SXFM	-0.057	0.012	0.000	.	-0.193	0.013
AGEML	3.714	0.076	-0.702	0.081	4.005	0.074
AGEFM	3.672	0.065	-0.444	0.067	4.432	0.065
PREF	-0.229	0.013	-0.089	0.014	-0.079	0.012
TRSNF	0.178	0.033	-0.222	0.041	0.474	0.031
ELCT	-0.263	0.028	0.000	.	-0.130	0.029
EMRG	0.163	0.013	0.055	0.014	0.084	0.011
PREF_ELC	-0.299	0.031	0.000	.	-0.181	0.031
CCA	0.782	0.020	-0.620	0.027	1.526	0.020
CCV	0.704	0.013	0.203	0.013	0.321	0.010
CLV	0.873	0.039	-0.122	0.044	0.506	0.049
CRN	0.927	0.026	-0.133	0.025	0.761	0.021
CDI	0.000	.	-0.110	0.015	0.334	0.014
COP	-0.080	0.017	0.000	.	0.196	0.012
CCE	0.000	.	-0.153	0.028	0.444	0.027
COP_CCV	-0.070	0.026	-0.072	0.021	0.000	.
CCA_CCV	-0.482	0.032	0.089	0.042	-0.625	0.033
COP_CCA	0.151	0.044	0.179	0.057	-0.157	0.040
CCE_CCV	-0.135	0.034	0.000	.	-0.117	0.039
CRN_CCV	-0.381	0.029	0.000	.	0.000	.
F(t)	-0.261	0.039	0.000	.	0.349	0.048
P_RISK1	-0.103	0.021	0.000	.	-0.070	0.024
P_RISK2	0.000	.	-0.071	0.016	0.118	0.017
P_RISK3	0.000	.	-0.150	0.012	0.180	0.013
P_RISK4	0.101	0.011	-0.210	0.013	0.285	0.011
P_RISK5	0.338	0.015	-0.181	0.017	0.401	0.017
INYEAR	0.000	.	0.959	0.016	0.561	0.017
FLAG89	-0.059	0.009	0.000	.	0.000	.
FLAG90	-0.082	0.009	0.000	.	-0.038	0.009
REFERENCE MODEL	0.731	0.005	2.704	0.006	-1.975	0.005

NUMBER OF CASES	755,631
DEATHS (365 DAYS)	179,825
CHI-SQUARE	109,288
DEGREES OF FREEDOM	69

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-0.092	0.019	2.776	0.020	-2.169	0.011
SXFM	-0.199	0.012	0.000	.	-0.216	0.010
AGEML	2.826	0.076	-0.493	0.091	3.272	0.053
AGEFM	3.198	0.064	-0.571	0.071	3.522	0.046
PREF	-0.255	0.013	-0.069	0.016	-0.065	0.009
TRSNF	0.261	0.027	-0.107	0.035	0.369	0.020
ELCT	-0.192	0.030	0.000	.	0.000	.
EMRG	0.124	0.012	0.037	0.015	0.050	0.008
PREF_ELC	-0.232	0.035	0.000	.	-0.108	0.013
CCA	0.993	0.016	-0.456	0.020	1.205	0.013
CCV	0.767	0.013	0.315	0.015	0.205	0.008
CLV	1.060	0.038	0.293	0.046	0.563	0.028
CRN	0.732	0.027	0.113	0.033	0.517	0.014
CDI	-0.038	0.019	-0.049	0.023	0.184	0.011
COP	0.135	0.017	0.000	.	0.142	0.010
CCE	-0.085	0.022	-0.224	0.032	0.288	0.016
COP_CCV	-0.097	0.026	-0.060	0.023	0.000	.
CCA_CCV	-0.493	0.021	0.000	.	-0.372	0.021
COP_CCA	-0.095	0.028	0.000	.	-0.092	0.026
CCE_CCV	0.000	.	0.160	0.040	-0.074	0.028
CRN_CCV	-0.259	0.038	-0.169	0.043	0.000	.
F(t)	-0.356	0.047	-0.132	0.066	0.294	0.036
P_RISK1	-0.257	0.028	-0.131	0.035	-0.112	0.020
P_RISK2	-0.037	0.017	-0.092	0.022	0.084	0.012
P_RISK3	0.000	.	-0.171	0.012	0.169	0.009
P_RISK4	0.110	0.010	-0.227	0.014	0.294	0.008
P_RISK5	0.325	0.014	-0.204	0.020	0.404	0.011
INYEAR	-0.231	0.020	1.246	0.026	0.620	0.014
FLAG89	-0.057	0.012	0.043	0.014	0.020	0.007
FLAG90	-0.085	0.009	0.000	.	0.000	.
REFERENCE MODEL	0.524	0.005	2.466	0.007	-1.517	0.004

NUMBER OF CASES	845,893
DEATHS (365 DAYS)	251,527
CHI-SQUARE	130,531
DEGREES OF FREEDOM	74

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.191	0.016	2.283	0.018	-1.815	0.012
SXFM	-0.073	0.010	0.000	.	-0.177	0.011
AGEML	3.214	0.068	-0.589	0.082	3.063	0.065
AGEFM	2.957	0.059	-0.569	0.070	3.291	0.065
PREF	-0.258	0.012	-0.110	0.013	0.000	.
TRSNF	0.000	.	-0.249	0.032	0.346	0.032
ELCT	-0.467	0.026	0.000	.	0.000	.
EMRG	0.144	0.011	0.062	0.014	0.034	0.010
PREF_ELC	-0.083	0.029	0.000	.	-0.161	0.012
CCA	0.934	0.014	-0.342	0.018	1.099	0.016
CCV	0.675	0.012	0.367	0.014	0.120	0.011
CLV	0.674	0.022	0.000	.	0.409	0.031
CRN	0.585	0.022	0.070	0.023	0.250	0.024
CDI	-0.047	0.017	-0.088	0.021	0.076	0.015
COP	0.082	0.023	0.114	0.025	0.113	0.014
CCE	-0.105	0.027	-0.172	0.031	0.205	0.023
COP_CCV	-0.067	0.029	-0.087	0.032	0.000	.
CCA_CCV	-0.457	0.019	0.000	.	-0.195	0.024
COP_CCA	-0.053	0.027	0.000	.	-0.127	0.032
CCE_CCV	-0.076	0.034	0.000	.	0.000	.
CRN_CCV	-0.101	0.026	0.000	.	0.185	0.032
F(t)	-0.190	0.043	-0.253	0.063	0.266	0.055
P_RISK1	-0.162	0.025	-0.108	0.032	-0.133	0.028
P_RISK2	-0.057	0.016	-0.160	0.020	-0.050	0.020
P_RISK3	0.046	0.010	-0.078	0.014	0.075	0.013
P_RISK4	0.134	0.009	-0.118	0.013	0.238	0.010
P_RISK5	0.269	0.013	-0.094	0.019	0.305	0.016
INYEAR	-0.259	0.017	0.878	0.024	0.747	0.019
FLAG89	-0.061	0.008	0.000	.	0.000	.
FLAG90	-0.053	0.011	0.032	0.011	0.000	.
REFERENCE MODEL	0.765	0.005	2.127	0.006	-1.380	0.005

NUMBER OF CASES	560,208
DEATHS (365 DAYS)	219,478
CHI-SQUARE	104,017
DEGREES OF FREEDOM	71

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4-5

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.648	0.014	2.770	0.013	-1.523	0.008
SXFM	-0.216	0.010	0.000	.	-0.316	0.009
AGEML	3.434	0.062	0.251	0.070	2.392	0.048
AGEFM	3.527	0.053	0.150	0.056	2.771	0.043
PREF	-0.136	0.010	-0.058	0.010	0.000	.
TRSNF	0.538	0.020	0.000	.	0.356	0.024
ELCT	-0.035	0.026	0.000	.	0.000	.
EMRG	0.022	0.007	0.000	.	0.019	0.006
PREF_ELC	-0.071	0.029	0.000	.	0.000	.
CCA	0.639	0.021	-0.272	0.022	0.790	0.021
CCV	0.198	0.010	0.203	0.010	0.000	.
CLV	0.597	0.034	-0.101	0.042	0.370	0.032
CRN	0.437	0.017	-0.131	0.016	0.421	0.011
CDI	-0.081	0.013	-0.070	0.016	0.159	0.009
COP	0.000	.	-0.049	0.010	0.000	.
CCE	0.000	.	-0.168	0.020	0.233	0.017
COP_CCV	0.019	0.011	0.000	.	0.075	0.008
CCA_CCV	-0.247	0.024	0.000	.	-0.164	0.025
COP_CCA	0.000	.	0.000	.	0.000	.
CCE_CCV	0.000	.	0.000	.	0.000	.
CRN_CCV	0.044	0.017	0.000	.	0.000	.
F(t)	-0.481	0.039	-0.183	0.051	0.320	0.033
P_RISK1	-0.099	0.016	0.000	.	-0.027	0.015
P_RISK2	-0.038	0.014	-0.114	0.018	0.055	0.011
P_RISK3	0.000	.	-0.100	0.009	0.065	0.009
P_RISK4	0.155	0.007	-0.191	0.009	0.287	0.006
P_RISK5	0.336	0.012	-0.063	0.016	0.232	0.010
INYEAR	-0.205	0.016	1.194	0.020	0.685	0.012
FLAG89	-0.093	0.007	0.000	.	0.000	.
FLAG90	-0.139	0.007	0.000	.	-0.029	0.006
REFERENCE MODEL	1.069	0.004	2.626	0.005	-1.177	0.003

NUMBER OF CASES	874,065
DEATHS (365 DAYS)	346,802
CHI-SQUARE	93,683
DEGREES OF FREEDOM	60

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5-0

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	2.053	0.028	3.123	0.031	-1.509	0.023
SXFM	-0.252	0.026	-0.055	0.029	-0.290	0.030
AGEML	1.596	0.112	-0.838	0.129	0.766	0.137
AGEFM	2.008	0.139	-0.502	0.167	1.858	0.195
PREF	-0.445	0.025	-0.271	0.028	0.240	0.029
TRSNF	0.000	.	-0.252	0.063	0.000	.
ELCT	-0.549	0.061	-0.181	0.048	0.000	.
EMRG	0.266	0.024	0.129	0.025	0.000	.
PREF_ELC	-0.334	0.061	0.000	.	-0.177	0.036
CCA	0.097	0.028	-0.648	0.035	0.931	0.034
CCV	0.350	0.023	0.097	0.023	0.000	.
CLV	0.366	0.053	-0.332	0.058	0.000	.
CRN	0.312	0.045	-0.236	0.055	0.303	0.075
CDI	-0.241	0.040	-0.226	0.045	-0.123	0.055
COP	-0.440	0.046	-0.296	0.051	0.140	0.037
CCE	-0.205	0.042	0.000	.	0.331	0.053
COP_CCV	0.134	0.064	0.156	0.070	0.000	.
CCA_CCV	-0.213	0.037	0.000	.	0.000	.
COP_CCA	0.177	0.053	0.000	.	0.000	.
CCE_CCV	0.000	.	0.000	.	0.000	.
CRN_CCV	0.000	.	0.000	.	0.000	.
F(t)	0.211	0.096	0.432	0.141	0.587	0.137
P_RISK1	-0.096	0.035	0.000	.	0.000	.
P_RISK2	0.000	.	0.000	.	0.091	0.041
P_RISK3	0.000	.	-0.127	0.018	0.000	.
P_RISK4	0.000	.	-0.194	0.025	0.253	0.035
P_RISK5	0.107	0.026	-0.204	0.034	0.416	0.034
INYEAR	0.330	0.034	0.831	0.042	0.455	0.045
FLAG89	0.000	.	0.000	.	0.000	.
FLAG90	0.000	.	0.060	0.015	0.000	.
REFERENCE MODEL	2.001	0.010	2.786	0.012	-1.193	0.012

NUMBER OF CASES	74,245
DEATHS (365 DAYS)	38,826
CHI-SQUARE	13,743
DEGREES OF FREEDOM	56

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5-1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.830	0.011	3.156	0.009	-2.219	0.011
SXFM	-0.267	0.008	0.000	.	-0.356	0.010
AGEML	2.816	0.048	-0.912	0.051	3.560	0.047
AGEFM	3.250	0.043	-0.881	0.042	4.264	0.043
PREF	-0.226	0.006	0.000	.	-0.149	0.007
TRSNF	0.288	0.018	-0.065	0.021	0.452	0.018
ELCT	-0.080	0.020	0.000	.	0.000	.
EMRG	0.143	0.006	0.000	.	0.067	0.007
PREF_ELC	-0.004	0.024	0.000	.	0.000	.
CCA	0.833	0.014	-0.410	0.018	1.263	0.014
CCV	0.539	0.008	0.081	0.009	0.241	0.007
CLV	0.656	0.024	0.000	.	0.486	0.034
CRN	0.905	0.024	0.149	0.028	0.714	0.023
CDI	0.116	0.013	-0.075	0.014	0.219	0.011
COP	-0.216	0.008	0.000	.	0.083	0.007
CCE	-0.064	0.017	-0.142	0.017	0.386	0.014
COP_CCV	0.000	.	-0.036	0.010	0.000	.
CCA_CCV	-0.351	0.022	0.172	0.027	-0.382	0.024
COP_CCA	0.000	.	-0.182	0.019	0.000	.
CCE_CCV	-0.092	0.020	0.000	.	-0.086	0.021
CRN_CCV	-0.345	0.032	-0.184	0.037	-0.182	0.033
F(t)	-0.241	0.036	0.159	0.046	0.186	0.036
P_RISK1	-0.150	0.015	0.000	.	-0.092	0.017
P_RISK2	0.000	.	-0.065	0.011	0.123	0.013
P_RISK3	0.086	0.009	-0.094	0.012	0.178	0.010
P_RISK4	0.203	0.009	-0.146	0.012	0.381	0.010
P_RISK5	0.297	0.011	-0.205	0.014	0.400	0.011
INYEAR	0.108	0.013	0.974	0.016	0.584	0.013
FLAG89	-0.069	0.008	-0.014	0.008	-0.022	0.008
FLAG90	-0.095	0.006	0.000	.	-0.066	0.007
REFERENCE MODEL	1.377	0.004	2.896	0.004	-1.629	0.003

NUMBER OF CASES	1,093,416
DEATHS (365 DAYS)	365,484
CHI-SQUARE	173,162
DEGREES OF FREEDOM	70

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5-2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	1.542	0.011	3.478	0.010	-2.292	0.011
SXFM	0.118	0.007	0.000	.	-0.073	0.011
AGEML	2.144	0.048	-1.801	0.049	4.013	0.063
AGEFM	1.555	0.040	-1.631	0.039	4.096	0.055
PREF	-0.190	0.008	-0.057	0.008	0.000	.
TRSNF	0.178	0.025	-0.140	0.029	0.470	0.031
ELCT	-0.300	0.021	-0.198	0.017	-0.136	0.029
EMRG	0.208	0.008	0.076	0.007	0.000	.
PREF_ELC	-0.269	0.021	0.000	.	0.157	0.031
CCA	0.109	0.012	-1.196	0.017	1.424	0.018
CCV	0.665	0.008	0.247	0.008	0.100	0.009
CLV	0.441	0.030	-0.392	0.033	0.522	0.048
CRN	0.418	0.024	-0.202	0.026	0.602	0.020
CDI	0.063	0.011	-0.091	0.011	0.267	0.012
COP	-0.185	0.015	-0.172	0.012	0.180	0.017
CCE	-0.416	0.020	-0.223	0.022	0.291	0.018
COP_CCV	-0.056	0.015	0.000	.	0.076	0.020
CCA_CCV	-0.327	0.020	0.268	0.026	-0.371	0.028
COP_CCA	0.242	0.029	0.246	0.040	-0.119	0.038
CCE_CCV	0.000	.	0.000	.	0.000	.
CRN_CCV	-0.267	0.030	-0.180	0.032	0.000	.
F(t)	-0.059	0.027	0.000	.	0.715	0.044
P_RISK1	-0.130	0.019	-0.074	0.019	0.000	.
P_RISK2	-0.049	0.013	-0.132	0.014	0.124	0.016
P_RISK3	0.018	0.009	-0.120	0.010	0.181	0.011
P_RISK4	0.082	0.009	-0.211	0.011	0.330	0.013
P_RISK5	0.098	0.010	-0.168	0.010	0.228	0.014
INYEAR	0.182	0.011	0.722	0.012	0.345	0.014
FLAG89	-0.044	0.005	0.000	.	-0.029	0.008
FLAG90	-0.070	0.007	0.020	0.007	-0.047	0.009
REFERENCE MODEL	2.100	0.003	3.194	0.003	-1.595	0.004

NUMBER OF CASES	913,744
DEATHS (365 DAYS)	373,152
CHI-SQUARE	156,296
DEGREES OF FREEDOM	75

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5-3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	1.461	0.011	3.151	0.012	-1.689	0.010
SXFM	-0.249	0.010	-0.016	0.011	-0.303	0.009
AGEML	1.837	0.044	-1.091	0.053	2.595	0.046
AGEFM	2.206	0.041	-0.698	0.048	3.113	0.042
PREF	-0.210	0.008	-0.075	0.009	-0.054	0.007
TRSNF	0.090	0.017	-0.172	0.021	0.345	0.018
ELCT	-0.249	0.013	-0.106	0.014	0.000	.
EMRG	0.189	0.007	0.091	0.008	0.042	0.007
PREF_ELC	0.000	.	0.000	.	0.000	.
CCA	0.633	0.010	-0.526	0.012	1.172	0.012
CCV	0.676	0.008	0.308	0.008	0.159	0.008
CLV	0.349	0.014	-0.343	0.017	0.484	0.018
CRN	0.386	0.011	0.000	.	0.321	0.014
CDI	0.015	0.007	0.000	.	0.148	0.009
COP	-0.216	0.014	-0.128	0.016	0.035	0.012
CCE	-0.322	0.014	-0.197	0.017	0.175	0.012
COP_CCV	-0.131	0.018	-0.088	0.020	0.035	0.016
CCA_CCV	-0.391	0.012	0.000	.	-0.405	0.020
COP_CCA	0.184	0.023	0.150	0.027	0.000	.
CCE_CCV	0.000	.	0.000	.	0.000	.
CRN_CCV	-0.203	0.018	-0.186	0.018	0.057	0.023
F(t)	-0.254	0.019	0.000	.	0.418	0.028
P_RISK1	-0.132	0.012	0.000	.	-0.077	0.015
P_RISK2	-0.070	0.011	-0.094	0.013	0.051	0.012
P_RISK3	-0.030	0.007	-0.124	0.009	0.118	0.008
P_RISK4	0.048	0.006	-0.202	0.008	0.250	0.008
P_RISK5	0.070	0.007	-0.266	0.008	0.261	0.008
INYEAR	0.056	0.011	0.962	0.014	0.540	0.012
FLAG89	-0.039	0.005	0.000	.	0.000	.
FLAG90	-0.199	0.007	-0.112	0.007	0.000	.
REFERENCE MODEL	1.815	0.003	2.833	0.004	-1.182	0.003

NUMBER OF CASES	946,173
DEATHS (365 DAYS)	452,800
CHI-SQUARE	167,872
DEGREES OF FREEDOM	71

TABLE A-4A: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION - BY RISK CLASS
(FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5-4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	2.477	0.009	3.242	0.011	-0.798	0.010
SXFM	-0.145	0.007	-0.074	0.009	-0.141	0.008
AGEML	1.193	0.040	-1.207	0.052	1.763	0.051
AGEFM	1.437	0.039	-0.624	0.050	1.857	0.050
PREF	-0.377	0.006	-0.225	0.008	0.111	0.008
TRSNF	-0.100	0.020	-0.140	0.026	0.204	0.025
ELCT	-0.469	0.016	0.000	.	-0.124	0.020
EMRG	0.221	0.006	0.111	0.008	-0.026	0.008
PREF_ELC	-0.253	0.018	0.000	.	-0.117	0.021
CCA	-0.412	0.007	-1.110	0.011	0.708	0.010
CCV	0.372	0.007	0.156	0.009	-0.146	0.009
CLV	0.496	0.014	-0.324	0.019	0.152	0.032
CRN	0.519	0.015	-0.073	0.016	0.000	.
CDI	-0.065	0.011	-0.087	0.013	0.048	0.013
COP	-0.566	0.010	-0.290	0.012	-0.180	0.010
CCE	-0.355	0.014	-0.183	0.017	0.000	.
COP_CCV	-0.092	0.013	-0.069	0.016	0.112	0.015
CCA_CCV	-0.119	0.012	0.061	0.017	-0.036	0.017
COP_CCA	0.543	0.013	0.288	0.020	0.134	0.018
CCE_CCV	0.000	.	0.000	.	0.094	0.027
CRN_CCV	-0.229	0.018	0.000	.	0.227	0.031
F(t)	0.402	0.024	0.551	0.036	0.691	0.032
P_RISK1	-0.060	0.011	0.000	.	-0.066	0.016
P_RISK2	0.030	0.007	0.000	.	0.028	0.012
P_RISK3	0.080	0.004	0.000	.	0.106	0.007
P_RISK4	0.081	0.007	-0.051	0.010	0.173	0.009
P_RISK5	0.072	0.007	-0.102	0.010	0.242	0.008
INYEAR	0.173	0.009	0.824	0.013	0.420	0.012
FLAG89	-0.046	0.004	0.000	.	0.000	.
FLAG90	-0.010	0.006	0.087	0.007	-0.032	0.007
REFERENCE MODEL	2.300	0.003	2.719	0.003	-0.531	0.003

NUMBER OF CASES	870,927
DEATHS (365 DAYS)	609,495
CHI-SQUARE	185,050
DEGREES OF FREEDOM	75

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		INITIAL PERSISTENCE		LONG TERM	
174.4	MAL NEO BREAST UP-OUTER	44,506	1,862	90.2	0.790	(0.044)	0.734	(0.125)	1.319	(0.051)
214.8	LIPOMA NEC	1,371	31	2.2	0.408	(0.329)	1.461	(1.379)	1.132	(0.230)
226	BENIGN NEOPLASM THYROID	7,186	120	1.3	1.018	(0.268)	1.473	(0.542)	0.944	(0.108)
233.0	CA IN SITU BREAST	5,654	113	11.0	0.614	(0.278)	0.447	(0.581)	1.198	(0.135)
241.0	NONTOX UNINODULAR GOITER	2,491	31	2.0	0.481	(0.456)	1.022	(0.915)	0.861	(0.170)
307.81	TENSION HEADACHE	1,056	37	6.0	0.550	(0.455)	0.270	(0.318)	1.384	(0.242)
361.00	DETACHMNT W DEFECT NOS	14,185	381	7.7	1.290	(0.372)	0.268	(0.154)	1.130	(0.062)
361.02	PART DETACH-MULT DEFECT	4,545	92	4.8	1.032	(0.366)	0.980	(0.470)	0.780	(0.096)
361.89	RETINAL DETACHMENT NEC	2,161	58	0.0	1.000	(.)	1.000	(.)	1.000	(.)
362.34	TRANSIENT ARTERIAL OCCLU	2,163	80	1.7	0.740	(0.286)	1.167	(0.714)	1.158	(0.156)
365.10	OPEN-ANGLE GLAUCOMA NOS	2,850	69	2.8	1.325	(0.893)	0.334	(0.230)	1.072	(0.137)
365.11	PRIM OPEN ANGLE GLAUCOMA	4,985	120	6.4	0.238	(0.211)	2.392	(2.173)	1.051	(0.110)
365.89	GLAUCOMA NEC	1,179	31	3.3	0.352	(0.272)	4.612	(5.491)	0.906	(0.225)
371.20	CORNEAL EDEMA NOS	1,392	40	0.6	1.192	(0.768)	1.604	(1.639)	0.975	(0.197)
371.57	ENDOTHEL CORNEA DYSTRPHY	3,197	61	3.6	0.722	(0.771)	0.288	(0.538)	0.911	(0.122)
375.56	ACQ NASOLACRML STENOSIS	1,928	32	5.5	1.061	(0.583)	1.153	(0.885)	0.637	(0.134)
386.00	MENIERE'S DISEASE NOS	4,396	102	10.2	1.316	(0.576)	0.190	(0.115)	0.804	(0.087)
386.10	PERIPHERAL VERTIGO NOS	1,998	74	2.4	0.940	(0.424)	0.447	(0.351)	0.924	(0.120)
386.11	BENIGN PARXYSMAL VERTIGO	4,664	161	9.5	0.831	(0.194)	1.125	(0.446)	0.770	(0.077)
386.12	VESTIBULAR NEURONITIS	3,890	106	23.7	0.538	(0.198)	0.557	(0.319)	0.745	(0.081)
386.30	LABYRINTHITIS NOS	28,210	873	70.9	0.758	(0.104)	0.646	(0.179)	0.813	(0.032)
386.35	VIRAL LABYRINTHITIS	2,650	72	7.1	0.573	(0.314)	0.610	(0.472)	0.854	(0.110)
470	DEVIATED NASAL SEPTUM	4,917	81	1.8	1.855	(0.858)	0.434	(0.280)	1.029	(0.125)
471.0	POLYP OF NASAL CAVITY	1,131	16	0.0	1.000	(.)	1.000	(.)	1.000	(.)
550.91	RECUR UNILAT INGUIN HERN	23,657	782	5.0	1.174	(0.158)	0.605	(0.139)	1.031	(0.042)
553.21	INCISIONAL HERNIA	35,716	1,041	39.7	1.415	(0.115)	1.091	(0.153)	1.126	(0.044)
592.1	CALCULUS OF URETER	66,037	1,680	104.6	0.720	(0.048)	1.260	(0.180)	0.790	(0.025)
607.84	IMPOTENCE, ORGANIC ORIGN	14,146	264	30.6	0.417	(0.150)	0.493	(0.398)	0.966	(0.064)
608.1	SPERMATOCELE	1,035	13	0.0	1.000	(.)	1.000	(.)	1.000	(.)
610.1	DIFFUS CYSTIC MASTOPATHY	4,885	89	14.3	2.358	(1.507)	0.040	(0.022)	1.212	(0.134)
618.0	PROLAPSE OF VAGINAL WALL	43,263	439	45.4	1.226	(0.208)	0.923	(0.185)	0.711	(0.039)
618.1	UTERINE PROLAPSE	8,328	127	3.6	1.241	(0.311)	1.079	(0.416)	0.834	(0.090)
618.2	UTEROVAG PROLAPS-INCOMPL	13,758	100	33.2	0.612	(0.256)	1.043	(0.673)	0.586	(0.067)
618.3	UTEROVAG PROLAPS-COMPLET	23,867	307	19.5	1.134	(0.197)	1.391	(0.370)	0.746	(0.053)
618.4	UTERVAGINAL PROLAPSE NOS	16,583	169	18.2	1.008	(0.234)	1.254	(0.393)	0.691	(0.064)
618.5	POSTOP VAGINAL PROLAPSE	10,109	84	17.0	1.074	(0.546)	0.553	(0.325)	0.662	(0.078)
618.8	GENITAL PROLAPSE NEC	6,453	57	6.8	0.922	(0.451)	1.294	(0.623)	0.692	(0.106)
621.3	ENDOMETRIAL HYPERPLASIA	6,431	84	0.5	0.884	(0.308)	1.148	(0.678)	0.928	(0.122)
625.6	FEM STRESS INCONTINENCE	28,888	313	15.3	0.920	(0.237)	0.703	(0.269)	0.823	(0.051)
708.0	ALLERGIC URTICARIA	1,370	61	1.2	1.006	(0.344)	2.174	(1.616)	0.888	(0.190)
715.31	LOC OSTEOARTH NOS-SHLDER	1,661	31	5.4	2.356	(1.495)	0.166	(0.135)	0.803	(0.159)
715.94	OSTEOARTHROS NOS-HAND	1,694	18	0.0	1.000	(.)	1.000	(.)	1.000	(.)
715.97	OSTEOARTHROS NOS-ANKLE	1,848	34	1.7	2.402	(1.499)	0.441	(0.282)	0.987	(0.193)
722.10	LUMBAR DISC DISPLACEMENT	72,335	1,727	53.9	1.305	(0.085)	1.523	(0.161)	0.993	(0.032)
726.2	SHOULDER REGION DIS NEC	4,745	49	9.5	0.880	(0.647)	0.362	(0.420)	0.700	(0.108)
727.1	BUNION	7,090	71	12.1	0.174	(0.185)	3.761	(6.560)	0.752	(0.116)
727.51	POPLITEAL SYNOVIAL CYST	2,236	53	1.6	1.294	(0.567)	0.429	(0.263)	0.970	(0.150)
727.61	ROTATOR CUFF RUPTURE	3,232	44	2.5	0.562	(0.490)	0.755	(0.709)	0.870	(0.140)
728.6	CONTRACTED PALMAR FASCIA	3,469	51	7.7	1.189	(1.407)	0.125	(0.186)	0.766	(0.111)
735.0	HALLUX VALGUS	11,448	103	16.7	0.453	(0.284)	1.106	(0.765)	0.712	(0.076)
735.2	HALLUX RIGIDUS	1,007	5	15.8	122.13	(140.8)	0.002	(0.003)	0.317	(0.158)
735.4	OTHER HAMMER TOE	2,104	36	0.7	1.007	(0.814)	0.523	(0.525)	1.082	(0.196)
780.4	DIZZINESS AND GIDDINESS	24,341	1,219	7.3	1.187	(0.106)	0.652	(0.107)	1.042	(0.036)
785.1	PALPITATIONS	2,866	86	9.3	0.602	(0.248)	1.037	(0.803)	0.772	(0.105)
786.50	CHEST PAIN NOS	234,840	11,227	229.5	1.230	(0.034)	0.931	(0.048)	1.146	(0.014)
786.51	PRECORDIAL PAIN	9,059	444	10.0	1.109	(0.171)	1.024	(0.335)	1.179	(0.074)
786.59	CHEST PAIN NEC	15,459	575	10.0	1.251	(0.168)	0.537	(0.144)	0.937	(0.049)
788.0	RENAL COLIC	5,350	166	5.2	0.656	(0.134)	2.147	(0.878)	0.890	(0.099)
813.05	FX RADIUS HEAD-CLOSED	1,119	32	4.9	3.600	(2.333)	0.598	(0.557)	1.104	(0.241)
816.11	FX MID/PRX PHAL, HAND-OP	929	38	1.2	0.665	(0.465)	1.617	(1.343)	1.165	(0.225)
825.0	FRACTURE CALCANEUS-CLOSE	, 2,442	67	7.4	1.411	(1.106)	0.069	(0.052)	1.017	(0.130)
836.0	TEAR MED MENISC KNEE-CUR	2,729	32	6.1	1.000	(.)	1.000	(.)	0.654	(0.121)
840.4	SPRAIN ROTATOR CUFF	23,114	293	38.9	1.249	(0.295)	0.517	(0.190)	0.713	(0.047)
845.09	SPRAIN OF ANKLE NEC	920	22	1.6	2.966	(2.351)	0.299	(0.384)	1.037	(0.253)
883.1	OPEN WOUND FINGER-COMPL	1,211	35	5.7	2.556	(1.041)	0.410	(0.203)	0.814	(0.167)
883.2	OPEN WND FINGER W TENDON	1,219	23	6.9	1.980	(1.561)	0.085	(0.066)	0.688	(0.158)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
886.0	AMPUTATION FINGER	1,777	44	3.8	0.507	(0.298)	3.081	(2.296)	0.742	(0.154)
989.5	TOXIC EFFECT VENOM	2,245	44	10.3	0.719	(0.357)	1.005	(0.548)	0.625	(0.109)
996.51(89)	CORNEAL GRFT MALFUNCTION	788	23	0.0	1.000	(.)	1.000	(.)	1.000	(.)
996.53(88)	LENS PROSTHESIS MALFUNC	676	22	4.8	12.453	(17.21)	0.008	(0.009)	0.988	(0.216)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
V55.3	ATTEN TO COLOSTOMY	16,401	1,014	29.6	0.984	(0.071)	1.346	(0.148)	1.166	(0.056)
005.9	FOOD POISONING NOS	1,224	45	6.7	0.707	(0.311)	0.742	(0.435)	0.768	(0.149)
173.1	MALIG NEO SKIN EYELID	1,357	77	0.0	1.000	(.)	1.000	(.)	1.000	(.)
174.0	MALIG NEO NIPPLE	7,251	403	21.4	0.946	(0.102)	0.741	(0.177)	1.497	(0.121)
174.2	MAL NEO BREAST UP-INNER	10,760	406	25.1	0.788	(0.103)	0.659	(0.211)	1.341	(0.102)
174.3	MAL NEO BREAST LOW-INNER	5,569	252	28.4	0.963	(0.164)	0.401	(0.142)	1.652	(0.155)
174.5	MAL NEO BREAST LOW-OUTER	7,875	358	26.8	0.808	(0.107)	0.569	(0.179)	1.402	(0.119)
210.2	BEN NEO MAJOR SALIVARY	8,718	206	28.4	0.260	(0.256)	0.396	(0.605)	1.236	(0.090)
214.1	LIPOMA SKIN NEC	2,413	39	14.0	1.185	(0.954)	0.170	(0.124)	0.779	(0.133)
214.3	LIPOMA INTRA-ABDOMINAL	920	44	7.1	0.969	(0.420)	2.076	(1.204)	1.373	(0.332)
218.0	SUBMUCOUS LEIOMYOMA	1,291	19	0.4	1.261	(0.809)	0.632	(0.433)	1.033	(0.305)
218.1	INTRAMURAL LEIOMYOMA	2,954	53	5.9	1.363	(0.531)	1.102	(0.617)	1.401	(0.284)
220	BENIGN NEOPLASM OVARY	14,700	293	5.0	1.241	(0.170)	0.917	(0.147)	0.870	(0.073)
227.1	BENIGN NEO PARATHYROID	4,572	132	5.6	0.938	(0.228)	1.566	(0.485)	1.139	(0.146)
233.1	CA IN SITU CERVIX UTERI	3,043	71	11.5	0.536	(0.221)	1.707	(0.948)	1.561	(0.238)
241.1	NONTOX MULTINODUL GOITER	4,231	104	8.7	1.219	(0.284)	1.698	(0.469)	0.909	(0.151)
241.9	NONTOX NODUL GOITER NOS	2,932	68	1.7	1.498	(0.520)	0.857	(0.295)	1.069	(0.173)
245.2	CHR LYMPHOCYT THYROIDIT	1,258	22	1.9	0.504	(0.317)	2.799	(1.884)	1.002	(0.346)
295.94	SCHIZO NOS-CHR/EXACERB	1,313	23	4.2	0.800	(0.573)	2.129	(1.654)	1.456	(0.419)
296.40	BIPOL AFF, MANIC-UNSPEC	3,289	92	27.5	0.210	(0.090)	57.291	(104.6)	1.037	(0.300)
346.8	MIGRAINE NEC	945	19	5.9	0.388	(0.423)	0.515	(0.508)	0.911	(0.230)
361.01	PART DETACH-SINGL DEFEC	4,321	84	26.7	0.377	(0.328)	0.359	(0.267)	0.783	(0.089)
362.56	MACULAR PUCKERING	3,090	45	17.6	1.000	(.)	0.078	(0.071)	1.000	(.)
371.00	CORNEAL OPACITY NOS	1,300	34	0.0	1.000	(.)	1.000	(.)	1.000	(.)
371.23	BULLOUS KERATOPATHY	9,833	315	50.3	0.048	(0.090)	1.008	(1.383)	1.074	(0.064)
384.20	PERFORAT TYMPAN MEMB NOS	1,271	17	2.1	1.142	(1.096)	0.355	(0.312)	0.857	(0.230)
385.30	CHOLESTEATOMA NOS	910	19	0.5	0.540	(0.641)	1.271	(1.328)	1.127	(0.308)
386.50	LABYRINTHINE DYSFUNC NOS	1,740	55	32.6	0.528	(0.346)	0.310	(0.236)	0.695	(0.103)
387.9	OTOSCLEROSIS NOS	1,271	9	8.9	0.327	(0.492)	0.939	(1.150)	0.455	(0.173)
413.1	PRINZMETAL ANGINA	1,992	85	0.8	1.101	(0.343)	0.807	(0.264)	0.953	(0.141)
454.9	VARICOSE VEIN OF LEG NOS	5,833	96	9.1	0.485	(0.268)	0.749	(0.478)	0.938	(0.108)
455.0	INT HEMORRHOID W/O COMPL	5,722	144	2.5	0.920	(0.265)	1.290	(0.467)	1.120	(0.120)
471.9	NASAL POLYP NOS	1,192	18	6.3	0.737	(0.561)	1.605	(1.460)	0.511	(0.168)
473.2	CHR ETHMOIDAL SINUSITIS	1,580	28	6.2	1.013	(0.459)	2.088	(1.431)	0.476	(0.181)
475	PERITONSILLAR ABSCESS	1,324	52	2.7	0.961	(0.475)	0.946	(0.613)	1.339	(0.232)
540.9	ACUTE APPENDICITIS NOS	10,441	324	33.6	1.561	(0.212)	0.684	(0.103)	0.712	(0.055)
553.00	UNILAT FEMORAL HERNIA	2,854	101	3.5	2.106	(0.709)	0.262	(0.094)	1.068	(0.121)
553.29	VENTRAL HERNIA NEC	2,317	80	2.9	1.753	(0.671)	0.548	(0.259)	1.178	(0.159)
596.3	DIVERTICULUM OF BLADDER	1,014	60	2.0	0.820	(0.313)	1.992	(1.394)	1.004	(0.202)
598.2	POSTOP URETHRAL STRICTUR	1,319	87	15.9	1.708	(1.239)	0.016	(0.017)	1.246	(0.140)
599.3	URETHRAL CARUNCLE	1,224	60	9.2	0.589	(0.226)	4.460	(3.408)	1.025	(0.366)
600	HYPERPLASIA OF PROSTATE	434,104	20,039	36.9	0.984	(0.024)	0.895	(0.034)	1.052	(0.009)
601.0	ACUTE PROSTATITIS	7,032	390	0.3	0.976	(0.154)	1.080	(0.259)	0.964	(0.067)
603.9	HYDROCELE NOS	5,274	177	2.8	0.786	(0.188)	2.277	(0.910)	0.849	(0.103)
611.1	HYPERTROPHY OF BREAST	4,570	65	11.9	0.978	(0.565)	0.260	(0.215)	0.840	(0.117)
617.0	UTERINE ENDOMETRIOSIS	2,195	28	3.2	1.831	(0.745)	0.991	(0.548)	0.862	(0.270)
618.6	VAGINAL ENTEROCELE	4,881	42	19.1	1.115	(0.486)	0.506	(0.207)	0.549	(0.104)
620.2	OVARIAN CYST NEC/NOS	7,076	166	5.4	0.993	(0.251)	0.919	(0.273)	1.270	(0.126)
622.1	DYSPLASIA OF CERVIX	2,385	39	1.7	0.635	(0.256)	2.979	(1.718)	0.885	(0.278)
715.15	LOC PRIM OSTEOART-PELVIS	9,807	212	6.3	1.184	(0.286)	0.921	(0.273)	0.816	(0.076)
715.16	LOC PRIM OSTEOART-L/LEG	15,943	333	9.7	1.069	(0.182)	1.117	(0.194)	0.806	(0.059)
715.35	LOC OSTEOARTH NOS-PELVIS	35,489	789	46.4	1.247	(0.116)	1.192	(0.115)	0.739	(0.038)
715.36	LOC OSTEOARTH NOS-L/LEG	58,384	1,149	68.3	1.172	(0.102)	1.023	(0.095)	0.739	(0.030)
715.91	OSTEOARTHROS NOS-SHLDER	3,507	79	4.6	0.526	(0.259)	1.180	(0.791)	0.898	(0.131)
715.95	OSTEOARTHROS NOS-PELVIS	76,121	2,044	73.4	1.436	(0.087)	1.145	(0.080)	0.908	(0.029)
715.96	OSTEOARTHROS NOS-L/LEG	122,767	2,702	90.7	1.361	(0.075)	1.003	(0.059)	0.821	(0.021)
716.16	TRAUM ARTHROPATHY-L/LEG	1,292	31	3.9	2.005	(0.881)	0.720	(0.380)	0.727	(0.191)
722.0	CERVICAL DISC DISPLACMNT	7,503	166	5.1	1.414	(0.358)	0.970	(0.329)	1.121	(0.115)
722.73	LUMB DISC DIS W MYELOPAT	3,431	119	3.9	0.936	(0.306)	1.245	(0.632)	1.214	(0.155)
722.93	DISC DIS NEC/NOS-LUMBAR	3,870	162	5.9	1.142	(0.261)	1.247	(0.408)	1.151	(0.133)
726.0	ADHESIVE CAPSULIT SHLDER	1,547	38	2.0	2.013	(1.059)	0.356	(0.225)	1.119	(0.217)
726.10	ROTATOR CUFF SYND NOS	2,900	89	2.4	1.043	(0.396)	0.556	(0.253)	1.119	(0.141)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
726.91	EXOSTOSIS, SITE NOS	952	21	1.5	2.150	(1.513)	0.310	(0.191)	1.041	(0.253)
753.1 (90)	CYSTIC KIDNEY DISEASE	327	20	5.0	0.988	(0.587)	0.589	(0.581)	2.240	(0.736)
790.8	VIREMIA NOS	1,970	138	1.6	0.868	(0.251)	0.841	(0.410)	1.134	(0.136)
813.44	FX LOW RADIUS W ULNA-CL	4,931	238	3.3	1.219	(0.270)	0.730	(0.195)	1.156	(0.101)
813.83	FX RADIUS W ULNA NOS-CL	1,312	61	0.9	0.819	(0.321)	1.087	(0.424)	1.148	(0.191)
814.00	FX CARPAL BONE NOS-CLOSE	1,102	68	2.9	1.301	(0.599)	0.709	(0.443)	1.322	(0.214)
822.0	FRACTURE PATELLA-CLOSED	14,311	571	3.8	1.176	(0.147)	0.777	(0.100)	1.012	(0.056)
824.4	FX BIMALLEOLAR-CLOSED	15,687	672	4.6	0.993	(0.106)	1.154	(0.137)	1.052	(0.058)
824.6	FX TRIMALLEOLAR-CLOSED	16,742	550	3.1	0.928	(0.108)	1.138	(0.148)	0.903	(0.058)
844.8	SPRAIN OF KNEE & LEG NEC	1,746	60	7.6	0.920	(0.263)	1.499	(0.430)	0.616	(0.128)
866.01	KIDNEY HEMATOMA-CLOSED	901	58	2.9	1.910	(0.675)	0.507	(0.222)	1.107	(0.186)
996.51(88)	CORNEAL GRFT MALFUNCTION	795	30	2.0	1.236	(1.100)	0.210	(0.223)	1.228	(0.238)
996.51(90)	CORNEAL GRFT MALFUNCTION	770	16	3.5	1.681	(1.956)	0.106	(0.107)	0.809	(0.215)
996.53(90)	LENS PROSTHESIS MALFUNC	678	21	0.8	0.481	(0.559)	1.009	(1.165)	1.120	(0.282)
996.77(90)	COMP-INTERNAL JOINT PROS	2,522	80	8.9	2.321	(0.715)	0.823	(0.320)	0.960	(0.168)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
V51	AFTERCARE W PLASTIC SURG	2,593	84	9.4	0.501	(0.263)	0.569	(0.489)	1.064	(0.140)
V54.0	REMOVAL INT FIXATION DEV	5,168	166	6.7	0.733	(0.357)	0.507	(0.376)	0.970	(0.087)
V58.4	POSTSURG AFTERCARE NEC	11,486	828	25.9	0.708	(0.072)	0.983	(0.201)	1.011	(0.055)
V67.0	SURGERY FOLLOW-UP	5,255	267	28.9	0.416	(0.072)	24.438	(25.82)	0.773	(0.124)
V71.7	OBS-SUSP CARDIOVASC DIS	14,192	692	30.6	0.876	(0.120)	0.947	(0.223)	0.808	(0.044)
008.8	VIRAL ENTERITIS NOS	28,346	2,299	23.2	1.108	(0.068)	1.377	(0.179)	0.999	(0.032)
034.0	STREP SORE THROAT	1,169	63	7.6	1.376	(0.675)	0.187	(0.125)	1.364	(0.200)
035	ERYSIPELAS	2,612	170	9.1	0.941	(0.408)	0.322	(0.175)	1.118	(0.095)
173.7	MALIG NEO SKIN LEG	2,315	219	37.1	1.467	(0.274)	1.835	(0.713)	1.391	(0.134)
174.1	MAL NEO BREAST-CENTRAL	8,134	463	109.4	0.674	(0.127)	0.335	(0.094)	1.215	(0.083)
190.6	MALIGN NEOPL CHOROID	1,127	58	6.1	2.043	(1.079)	0.194	(0.122)	1.339	(0.200)
217	BENIGN NEOPLASM BREAST	1,951	52	5.0	0.382	(0.311)	1.316	(1.286)	0.854	(0.143)
223.3	BENIGN NEOPLASM BLADDER	1,452	89	4.6	0.623	(0.418)	0.703	(0.533)	1.292	(0.159)
233.3	CA IN SITU FEM GEN NEC	1,046	46	2.7	1.181	(0.613)	0.487	(0.420)	1.323	(0.236)
250.50(88)	DIAB OPHTHAL MANIF ADULT	472	45	21.3	1.366	(0.639)	9.271	(7.377)	1.415	(0.595)
250.51(88)	DIAB OPHTHAL MANIF JUVEN	923	88	51.3	1.198	(0.359)	76.040	(248.8)	1.416	(0.526)
295.64	RESID SCHIZO-CHR/EXACERB	4,625	96	9.3	0.487	(0.130)	3.076	(2.463)	1.121	(0.238)
295.74	SCHIZOAFFECT-CHR/EXACER	2,434	44	2.5	0.829	(0.228)	2.576	(1.773)	0.551	(0.302)
296.30	RECURR DEPR PSYCHOS-UNSP	9,869	554	27.7	1.009	(0.138)	1.869	(0.503)	1.143	(0.082)
296.50	BIPOLAR AFF, DEPR-UNSPEC	1,737	60	4.1	1.096	(0.339)	1.890	(1.519)	0.640	(0.215)
300.00	ANXIETY STATE NOS	5,148	309	4.7	1.252	(0.232)	0.657	(0.246)	0.904	(0.076)
300.01	PANIC DISORDER	1,599	93	10.3	2.342	(0.639)	0.409	(0.166)	0.817	(0.118)
300.11	CONVERSION DISORDER	1,565	70	0.5	1.166	(0.371)	0.875	(0.452)	0.918	(0.165)
300.4	NEUROTIC DEPRESSION	6,352	391	14.0	1.486	(0.222)	0.948	(0.275)	1.087	(0.086)
303.00	AC ALCOHOL INTOX-UNSPEC	6,435	417	45.9	0.731	(0.105)	12.569	(6.792)	0.918	(0.142)
303.01	AC ALCOHOL INTOX-CONTIN	8,138	500	26.5	1.047	(0.169)	1.242	(0.418)	1.290	(0.096)
303.90	ALCOH DEP NEC/NOS-UNSPEC	9,608	475	14.3	0.917	(0.157)	1.091	(0.360)	1.259	(0.088)
303.91	ALCOH DEP NEC/NOS-CONTIN	17,814	879	49.3	0.798	(0.074)	6.530	(2.271)	0.924	(0.098)
304.21	COCAINE DEPEND-CONTIN	1,885	32	0.8	0.825	(0.273)	1.777	(1.631)	1.143	(0.721)
305.00	ALCOHOL ABUSE-UNSPEC	2,631	186	21.7	0.930	(0.301)	1.200	(0.715)	1.529	(0.157)
306.1	PSYCHOGENIC RESPIR DIS	1,458	132	2.2	1.109	(0.407)	0.567	(0.423)	1.206	(0.141)
309.0	BRIEF DEPRESSIVE REACT	2,699	206	25.2	1.976	(0.401)	0.579	(0.176)	1.390	(0.134)
337.0	IDIOPATH AUTO NEUROPATHY	1,455	107	3.5	1.232	(0.399)	1.149	(0.745)	0.804	(0.117)
345.4 (88)	PSYCHOMOTOR EPILEPSY	786	82	33.0	1.344	(0.360)	7.458	(4.607)	1.332	(0.410)
345.4 (89)	PSYCHOMOTOR EPILEPSY	769	70	17.9	2.278	(0.722)	0.885	(0.440)	1.548	(0.286)
346.9	MIGRAINE NOS	2,731	68	14.2	1.957	(3.102)	0.145	(0.461)	0.793	(0.207)
350.1	TRIGEMINAL NEURALGIA	6,215	273	8.2	1.585	(0.346)	0.997	(0.354)	0.854	(0.074)
351.0	BELL'S PALSY	4,186	216	25.8	1.910	(0.342)	0.641	(0.175)	0.722	(0.070)
353.8	NERV ROOT/PLEXUS DIS NEC	1,170	114	21.5	1.003	(0.271)	2.693	(1.250)	1.468	(0.242)
354.0	CARPAL TUNNEL SYNDROME	3,350	104	17.0	1.051	(0.286)	0.661	(0.320)	0.654	(0.088)
354.2	ULNAR NERVE LESION	1,937	52	11.8	2.776	(1.129)	0.222	(0.089)	0.731	(0.120)
360.00	PURULENT ENDOPHTHALM NOS	2,153	148	4.3	1.073	(0.374)	1.345	(0.710)	1.164	(0.127)
360.01	ACUTE ENDOPHTHALMITIS	1,079	90	7.6	1.423	(0.549)	1.377	(0.832)	1.271	(0.182)
361.05	RECENT DETACHMENT, TOTAL	3,252	109	11.4	1.298	(0.612)	0.251	(0.132)	0.838	(0.087)
361.81	RETINAL TRACTION DETACH	2,328	106	4.7	1.133	(0.313)	2.686	(2.168)	0.913	(0.205)
361.9	RETINAL DETACHMENT NOS	7,389	225	17.2	0.630	(0.185)	1.411	(0.736)	0.764	(0.070)
365.20	PRIM ANGL-CLOS GLAUC NOS	960	53	5.6	2.007	(3.150)	0.032	(0.082)	1.361	(0.192)
365.22	ACUTE ANGL-CLOS GLAUCOMA	2,941	175	1.3	0.824	(0.240)	2.568	(1.838)	0.939	(0.133)
365.9	GLAUCOMA NOS	2,247	71	7.7	0.562	(0.400)	0.773	(0.695)	0.781	(0.105)
366.10	SENILE CATARACT NOS	20,758	1,125	11.4	0.564	(0.115)	1.327	(0.433)	1.011	(0.035)
366.14	POST SUBCAP SENILE CATAR	1,611	97	8.7	1.817	(1.249)	0.084	(0.059)	1.319	(0.140)
366.16	SENILE NUCLEAR CATARACT	4,646	233	5.5	0.542	(0.258)	1.270	(1.027)	0.912	(0.070)
366.17	MATURE CATARACT	5,594	309	8.8	0.498	(0.267)	0.533	(0.574)	1.077	(0.067)
366.19	SENILE CATARACT NEC	1,496	74	4.1	0.477	(0.246)	6.994	(8.111)	0.783	(0.184)
366.8	CATARACT NEC	1,360	75	0.3	1.052	(0.571)	0.638	(0.529)	1.013	(0.133)
366.9	CATARACT NOS	8,684	595	17.7	0.821	(0.220)	1.938	(1.573)	1.171	(0.084)
370.00	CORNEAL ULCER NOS	3,286	316	56.7	1.322	(0.246)	3.468	(1.395)	1.295	(0.130)
370.06	PERFORATED CORNEAL ULCER	905	114	28.3	1.000	(.)	1.000	(.)	1.825	(0.186)
379.23	VITREOUS HEMORRHAGE	7,132	438	34.9	0.577	(0.115)	7.097	(4.737)	1.170	(0.125)
379.31	APHAKIA	1,176	55	1.3	1.538	(1.364)	0.297	(0.261)	0.996	(0.143)
382.9	OTITIS MEDIA NOS	2,751	106	2.1	1.314	(0.436)	0.462	(0.219)	1.053	(0.124)
401.9	HYPERTENSION NOS	36,625	2,439	25.6	0.911	(0.076)	1.081	(0.170)	1.134	(0.032)
435.0	BASILAR ARTERY SYNDROME	12,266	961	13.6	0.641	(0.097)	1.967	(0.465)	0.936	(0.042)
435.1	VERTEBRAL ARTERY SYNDROM	13,577	988	13.4	0.667	(0.120)	0.994	(0.276)	0.973	(0.038)
435.8	TRANS CEREB ISCHEMIA NEC	11,312	1,153	63.7	0.739	(0.109)	1.498	(0.371)	1.298	(0.050)
451.0	SUPERFIC PHLEBITIS-LEG	11,550	661	7.0	1.216	(0.147)	0.748	(0.162)	0.913	(0.049)
455.1	INT THROMBOS HEMORRHOID	2,237	105	4.3	1.728	(0.624)	0.413	(0.182)	1.164	(0.137)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

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ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
455.2	INT HEMRRHOID W COMP NEC	16,603	1,042	54.7	1.749	(0.159)	0.694	(0.113)	1.150	(0.049)
455.3	EXT HEMORRHOID W/O COMPL	1,043	25	7.1	1.661	(1.104)	0.257	(0.169)	0.683	(0.163)
455.6	HEMORRHOIDS NOS	1,546	44	6.1	3.327	(3.330)	0.035	(0.025)	0.997	(0.157)
461.9	ACUTE SINUSITIS NOS	907	55	1.4	1.293	(0.413)	0.700	(0.378)	0.857	(0.167)
473.0	CHR MAXILLARY SINUSITIS	4,473	153	8.0	0.777	(0.168)	1.275	(0.514)	0.781	(0.091)
473.8	CHRONIC SINUSITIS NEC	2,032	66	3.9	1.272	(0.404)	0.889	(0.419)	0.748	(0.126)
473.9	CHRONIC SINUSITIS NOS	2,043	86	3.5	1.395	(0.388)	0.515	(0.241)	0.872	(0.125)
478.5	VOCAL CORD DISEASE NEC	996	49	0.4	1.166	(0.658)	1.010	(0.980)	1.070	(0.221)
511.0	PLEURISY W/O EFFUS OR TB	7,430	686	19.9	1.282	(0.160)	0.664	(0.163)	1.238	(0.065)
550.90	UNILAT INGUINAL HERNIA	93,044	3,704	294.1	0.653	(0.056)	1.031	(0.145)	0.785	(0.016)
550.92	BILAT INGUINAL HERNIA	18,935	665	83.8	0.571	(0.116)	1.110	(0.342)	0.735	(0.035)
550.93	RECUR BILAT INGUIN HERN	3,429	139	8.8	0.968	(0.288)	1.304	(0.524)	0.743	(0.081)
553.20	VENTRAL HERNIA NOS	12,522	488	16.5	1.501	(0.189)	0.799	(0.166)	0.836	(0.055)
569.0	ANAL & RECTAL POLYP	1,944	136	3.7	1.304	(0.372)	1.095	(0.646)	1.124	(0.138)
592.0	CALCULUS OF KIDNEY	34,819	1,483	28.0	0.863	(0.075)	1.145	(0.191)	0.857	(0.033)
594.1	BLADDER CALCULUS NEC	9,549	751	33.3	0.773	(0.131)	1.203	(0.400)	1.297	(0.062)
596.5	BLADDER DYSFUNCTION NEC	1,644	199	50.6	0.923	(0.315)	1.140	(0.725)	1.893	(0.168)
598.9	URETHRAL STRICTURE NOS	10,846	964	26.8	0.736	(0.118)	1.229	(0.496)	1.220	(0.054)
602.1	PROSTATIC CONGEST/HEMORR	1,431	162	5.7	1.216	(0.245)	1.865	(0.884)	0.887	(0.121)
604.90	ORCHITIS/EPIDIDYMIT NOS	5,498	340	20.9	0.683	(0.216)	0.491	(0.329)	0.973	(0.067)
604.99	ORCHITIS/EPIDIDYMIT NEC	3,669	238	20.9	1.340	(0.429)	0.120	(0.058)	1.055	(0.077)
621.0	POLYP OF CORPUS UTERI	1,709	54	5.0	0.587	(0.437)	0.413	(0.508)	0.961	(0.148)
627.1	POSTMENOPAUSAL BLEEDING	8,379	531	48.2	1.102	(0.191)	0.854	(0.298)	1.474	(0.085)
654.21	PREV C-SECT NOS-DELIVER	939	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
681.00	CELLULITIS, FINGER NOS	3,440	273	32.8	2.177	(0.343)	0.820	(0.254)	1.142	(0.103)
709.2	SCAR & FIBROSIS OF SKIN	1,048	30	2.2	1.801	(0.986)	0.353	(0.233)	0.884	(0.207)
715.09	GENERAL OSTEOARTHROSIS	1,672	108	0.4	1.234	(0.472)	0.961	(0.565)	1.012	(0.126)
715.89	OSTEOARTHROSIS-MULT SITE	2,976	177	7.1	1.055	(0.287)	2.713	(1.700)	0.976	(0.144)
716.15	TRAUM ARTHROPATHY-PELVIS	961	35	0.4	1.154	(0.991)	0.612	(0.478)	1.004	(0.192)
716.95	ARTHROPATHY NOS-PELVIS	2,015	82	7.9	2.237	(0.694)	0.879	(0.348)	0.771	(0.118)
716.96	ARTHROPATHY NOS-L/LEG	3,708	142	4.1	0.872	(0.268)	1.089	(0.537)	0.833	(0.091)
719.16	HEMARTHROSIS-L/LEG	1,130	87	8.3	2.105	(0.549)	0.898	(0.365)	0.792	(0.136)
719.41	JOINT PAIN-SHLDER	1,065	106	15.6	1.986	(0.439)	0.957	(0.324)	1.230	(0.181)
721.0	CERVICAL SPONDYLOSIS	13,962	618	7.7	1.461	(0.206)	0.692	(0.129)	1.045	(0.053)
721.90	SPONDYLOS NOS W/O MYELOP	5,891	508	38.4	1.130	(0.175)	2.219	(0.677)	1.187	(0.086)
722.2	DISC DISPLACEMENT NOS	1,057	41	4.5	1.617	(0.541)	1.228	(0.719)	0.662	(0.195)
722.4	CERVICAL DISC DEGEN	2,573	117	4.0	1.383	(0.699)	0.325	(0.278)	1.251	(0.139)
722.52	LUMB/LUMBOSAC DISC DEGEN	16,212	736	2.5	0.876	(0.116)	1.327	(0.316)	0.939	(0.049)
722.71	CERV DISC DIS W MYELOPAT	2,006	117	28.3	2.754	(0.659)	0.986	(0.318)	1.242	(0.189)
723.1	CERVICALGIA	1,462	117	28.6	3.139	(0.645)	0.429	(0.143)	1.200	(0.167)
724.02	SPINAL STENOSIS-LUMBAR	69,416	2,353	97.0	1.215	(0.083)	1.143	(0.124)	0.771	(0.023)
724.3	SCIATICA	6,576	319	4.2	1.209	(0.229)	0.956	(0.302)	0.874	(0.068)
724.4	LUMBOSACRAL NEURITIS NOS	11,447	562	7.8	1.299	(0.160)	1.072	(0.271)	0.947	(0.062)
724.8	OTHER BACK SYMPTOMS	2,032	137	15.1	2.384	(0.543)	0.691	(0.246)	1.048	(0.135)
726.33	OLECRANON BURSITIS	2,909	238	22.1	1.322	(0.245)	2.053	(0.788)	1.163	(0.131)
726.5	ENTHESOPATHY OF HIP	3,318	228	6.8	1.049	(0.212)	1.954	(0.819)	1.024	(0.108)
726.65	PREPATELLAR BURSITIS	1,018	44	3.7	0.890	(0.393)	3.165	(3.189)	0.633	(0.207)
727.05	TENOSYNOV HAND/WRIST NEC	1,377	53	5.1	0.645	(0.254)	3.495	(2.722)	0.675	(0.184)
728.85	SPASM OF MUSCLE	1,193	67	7.1	1.233	(0.274)	2.866	(1.218)	0.523	(0.171)
729.1	MYALGIA AND MYOSITIS NOS	5,151	290	1.2	0.869	(0.173)	1.091	(0.439)	0.952	(0.084)
729.2	NEURALGIA/NEURITIS NOS	2,037	130	4.9	1.377	(0.338)	1.203	(0.469)	1.070	(0.138)
733.81	MALUNION OF FRACTURE	2,378	109	7.9	2.357	(0.685)	0.466	(0.147)	1.069	(0.126)
733.82	NONUNION OF FRACTURE	12,305	741	35.9	1.685	(0.222)	0.730	(0.177)	1.187	(0.061)
733.99	BONE & CARTILAGE DIS NEC	10,726	527	21.7	0.744	(0.119)	0.908	(0.239)	0.874	(0.052)
736.79	ACQ ANKLE-FOOT DEF NEC	1,051	23	1.3	0.884	(0.743)	0.475	(0.690)	0.861	(0.214)
756.12	SPONDYLOLISTHESIS	1,573	63	5.3	1.568	(0.542)	1.797	(1.227)	0.694	(0.195)
782.0	SKIN SENSATION DISTURB	1,596	75	3.6	1.130	(0.430)	0.577	(0.378)	0.840	(0.134)
784.0	HEADACHE	8,317	501	20.2	1.674	(0.187)	0.632	(0.123)	0.932	(0.060)
786.01	HYPERVENTILATION	928	72	2.7	1.193	(0.333)	1.122	(0.729)	0.754	(0.155)
786.52	PAINFUL RESPIRATION	41,854	2,436	60.7	1.043	(0.070)	0.757	(0.082)	0.867	(0.024)
813.01	FX OLECRAN PROC ULNA-CL	7,500	445	1.7	1.092	(0.311)	0.693	(0.307)	1.075	(0.062)
813.41	COLLES' FRACTURE-CLOSED	7,556	375	7.6	1.135	(0.251)	0.797	(0.271)	0.866	(0.056)
813.42	FX DISTAL RADIUS NEC-CL	6,677	306	3.7	1.117	(0.319)	0.712	(0.302)	0.914	(0.064)
824.0	FX MEDIAL MALLEOLUS-CLOS	2,192	105	2.3	1.580	(0.505)	0.902	(0.369)	0.920	(0.121)
824.2	FX LATERAL MALLEOLUS-CL	4,152	166	7.6	0.783	(0.248)	0.955	(0.505)	0.827	(0.083)
843.8	SPRAIN HIP & THIGH NEC	2,545	145	3.8	1.432	(0.343)	0.879	(0.303)	0.856	(0.093)
846.0	SPRAIN LUMBOSACRAL	12,668	786	2.5	0.918	(0.135)	1.143	(0.352)	1.060	(0.053)
847.1	SPRAIN THORACIC REGION	1,020	87	6.2	1.395	(0.395)	1.957	(1.038)	1.003	(0.182)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
847.9	SPRAIN OF BACK NOS	1,358	120	11.7	2.047	(0.594)	0.621	(0.267)	1.289	(0.149)
850.1	CONCUSSION-BRIEF COMA	5,264	346	4.8	1.614	(0.373)	0.528	(0.200)	1.054	(0.071)
882.1	OPN WOUND HAND-COMPLICAT	1,805	102	4.8	2.227	(0.763)	0.466	(0.215)	0.990	(0.122)
892.1	OPEN WOUND FOOT-COMPL	1,736	93	7.2	0.356	(0.162)	10.359	(12.36)	0.881	(0.175)
924.11	CONTUSION OF KNEE	1,580	155	3.9	1.208	(0.351)	1.140	(0.577)	1.147	(0.120)
935.1	FOREIGN BODY ESOPHAGUS	7,166	568	18.9	1.569	(0.189)	1.111	(0.219)	0.973	(0.057)
996.01	MALFUNC CARDIAC PACEMAKE	30,374	2,827	69.5	0.870	(0.092)	1.149	(0.190)	1.194	(0.028)
996.53(89)	LENS PROSTHESIS MALFUNC	715	27	3.3	0.955	(0.820)	0.622	(0.532)	0.734	(0.159)
996.81(88)	COMPL KIDNEY TRANSPLANT	2,546	175	45.2	0.910	(0.136)	168.58	(823.1)	1.533	(0.463)
997.9	SURG COMPL-BODY SYST NEC	3,608	162	6.3	0.759	(0.180)	1.224	(0.572)	0.825	(0.095)
998.8	SURGICAL COMPLICAT NEC	12,563	835	0.5	1.032	(0.096)	1.050	(0.198)	0.998	(0.053)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
V71.1	OBSV-SUSPCT MAL NEOPLASM	2,678	268	70.5	0.507	(0.162)	0.545	(0.311)	1.982	(0.151)
053.20	HERPES ZOSTER OF EYELID	1,537	196	8.5	1.152	(0.214)	1.207	(0.354)	1.199	(0.137)
188.6	MAL NEO URETERIC ORIFICE	3,624	434	55.3	0.745	(0.091)	2.974	(1.292)	1.430	(0.165)
211.3	BENIGN NEOPLASM LG BOWEL	21,916	1,608	12.5	0.793	(0.071)	1.181	(0.162)	1.086	(0.041)
211.4	BENIGN NEOPL RECTUM/ANUS	3,765	225	3.3	0.684	(0.170)	1.281	(0.490)	0.957	(0.094)
218.2	SUBSEROUS LEIOMYOMA	1,476	28	6.0	2.439	(1.320)	0.219	(0.104)	0.984	(0.228)
218.9	UTERINE LEIOMYOMA NOS	5,518	133	1.4	1.127	(0.290)	0.771	(0.263)	0.940	(0.133)
233.7	CA IN SITU BLADDER	2,403	175	22.4	0.449	(0.151)	0.840	(0.532)	1.158	(0.116)
250.50(89)	DIAB OPHTHAL MANIF ADULT	492	45	13.0	0.640	(0.289)	7.487	(11.55)	1.637	(0.692)
250.50(90)	DIAB OPHTHAL MANIF ADULT	485	32	12.7	1.000	(.)	1.000	(.)	2.309	(0.465)
250.51(89)	DIAB OPHTHAL MANIF JUVEN	997	60	4.9	0.686	(0.252)	1.792	(1.272)	1.362	(0.314)
250.51(90)	DIAB OPHTHAL MANIF JUVEN	992	73	26.3	1.345	(0.736)	0.427	(0.376)	2.638	(0.411)
250.60(89)	DIAB NEURO MANIF ADULT	1,801	256	60.9	1.103	(0.194)	1.595	(0.472)	1.760	(0.190)
290.21	SENILE DEPRESSIVE	1,013	193	53.1	0.874	(0.253)	2.952	(1.420)	1.651	(0.236)
293.81	ORGANIC DELUSIONAL SYND	1,087	164	53.3	1.400	(0.444)	0.615	(0.315)	2.233	(0.234)
295.30	PARANOID SCHIZO-UNSPEC	3,960	118	3.6	0.833	(0.219)	1.114	(0.447)	1.316	(0.214)
295.32	PARANOID SCHIZO-CHRONIC	2,508	47	8.1	0.370	(0.169)	1.570	(1.104)	1.310	(0.333)
295.34	PARAN SCHIZO-CHR/EXACERB	7,694	135	17.3	0.384	(0.085)	4.786	(4.880)	0.765	(0.255)
295.60	RESID SCHIZOPHREN-UNSP	1,391	27	7.3	1.320	(0.842)	0.209	(0.122)	1.293	(0.300)
295.62	RESIDUAL SCHIZOPHREN-CHR	1,943	52	5.2	0.533	(0.195)	3.406	(3.320)	1.171	(0.416)
295.70	SCHIZOAFFECTIVE-UNSPEC	5,461	96	5.4	0.629	(0.138)	1.899	(0.733)	0.795	(0.239)
295.90	SCHIZOPHRENIA NOS-UNSPEC	2,095	60	3.0	0.652	(0.206)	2.298	(1.476)	1.019	(0.336)
296.20	DEPRESS PSYCHOSIS-UNSPEC	13,950	1,232	57.8	1.209	(0.103)	1.002	(0.153)	1.275	(0.065)
296.24	DEPR PSYCHOS-SEV W PSYCH	2,430	226	29.6	0.570	(0.129)	3.122	(1.346)	1.316	(0.183)
296.33	RECUR DEPR PSYCH-SEVERE	4,805	281	1.5	0.848	(0.151)	1.280	(0.362)	1.028	(0.112)
296.34	REC DEPR PSYCH-PSYCHOTIC	3,429	228	6.4	0.896	(0.223)	0.923	(0.336)	1.284	(0.126)
296.44	BIPOL MANIC-SEV W PSYCH	1,529	47	2.6	0.562	(0.233)	1.893	(1.312)	0.934	(0.291)
296.60	BIPOL AFF, MIXED-UNSPEC	1,145	31	2.3	0.804	(0.369)	0.909	(0.411)	0.789	(0.224)
296.7	BIPOLAR AFFECTIVE NOS	2,330	84	0.5	0.994	(0.286)	1.268	(0.638)	0.976	(0.250)
297.9	PARANOID STATE NOS	1,666	161	8.7	0.913	(0.223)	1.764	(0.765)	1.175	(0.171)
304.01	OPIOID DEPENDENCE-CONTIN	1,063	53	15.4	1.083	(0.288)	6.222	(6.691)	1.037	(0.663)
304.11	BARBITURAT DEPEND-CONTIN	1,004	47	1.1	0.856	(0.442)	0.933	(0.740)	1.278	(0.308)
309.28	ADJ REACT-MIXED EMOTION	915	52	3.2	1.714	(0.541)	0.716	(0.366)	0.878	(0.234)
310.2	POSTCONCUSSION SYNDROME	1,835	226	19.2	0.977	(0.223)	1.718	(0.568)	1.267	(0.136)
311	DEPRESSIVE DISORDER NEC	6,159	631	60.8	1.190	(0.144)	1.124	(0.222)	1.430	(0.096)
340	MULTIPLE SCLEROSIS	9,602	385	182.7	2.410	(0.283)	1.010	(0.178)	1.890	(0.254)
355.8	MONONEURITIS LEG NOS	2,546	299	14.6	1.208	(0.154)	1.301	(0.321)	1.131	(0.126)
376.01	ORBITAL CELLULITIS	1,761	192	5.4	1.484	(0.274)	0.772	(0.208)	1.064	(0.118)
380.10	INFEC OTITIS EXTERNA NOS	1,442	124	1.8	1.050	(0.303)	0.814	(0.356)	1.187	(0.146)
383.1	CHRONIC MASTOIDITIS	1,321	43	1.6	0.648	(0.470)	0.816	(0.691)	1.070	(0.200)
435.2	SUBCLAVIAN STEAL SYNDROM	964	57	0.5	1.159	(0.450)	0.807	(0.388)	1.118	(0.232)
446.5	GIANT CELL ARTERITIS	4,568	559	143.8	1.106	(0.175)	1.459	(0.303)	1.791	(0.125)
454.0	LEG VARICOSITY W ULCER	7,468	646	58.3	0.805	(0.078)	5.506	(1.155)	0.713	(0.096)
455.4	EXT THROMBOS HEMORRHOID	1,335	77	1.0	1.304	(0.357)	0.740	(0.280)	0.995	(0.171)
455.5	EXT HEMRRHOID W COMP NEC	2,854	191	18.6	2.387	(0.453)	0.431	(0.106)	1.059	(0.110)
461.0	AC MAXILLARY SINUSITIS	2,534	177	1.8	0.986	(0.187)	1.004	(0.326)	0.868	(0.112)
478.1	NASAL & SINUS DIS NEC	2,164	120	7.9	0.781	(0.160)	3.667	(1.713)	0.679	(0.211)
493.00	EXT ASTHMA W/O STAT ASTH	1,204	91	2.8	0.819	(0.243)	1.936	(0.906)	0.906	(0.208)
521.0	DENTAL CARIES	2,623	228	49.1	0.688	(0.155)	2.772	(1.346)	1.606	(0.195)
522.5	PERIAPICAL ABSCESS	1,620	172	19.7	0.944	(0.211)	2.004	(1.256)	1.366	(0.246)
524.6	TEMPOROMANDIBULAR JT DIS	928	42	4.0	1.450	(0.646)	0.856	(0.475)	1.432	(0.325)
532.70	CHR DUODENAL ULCER NOS	986	95	3.6	0.858	(0.311)	1.367	(1.118)	1.246	(0.260)
533.30	ACUTE PEPTIC ULCER NOS	2,434	219	3.3	0.705	(0.166)	1.287	(0.498)	1.108	(0.127)
553.1	UMBILICAL HERNIA	5,803	254	2.9	1.103	(0.214)	0.721	(0.189)	0.958	(0.087)
553.3	DIAPHRAGMATIC HERNIA	25,397	1,460	95.7	0.893	(0.086)	0.698	(0.081)	0.855	(0.031)
565.0	ANAL FISSURE	3,937	197	1.9	1.261	(0.260)	0.721	(0.226)	0.957	(0.105)
565.1	ANAL FISTULA	5,196	279	10.1	1.378	(0.208)	1.175	(0.295)	0.943	(0.109)
569.2	RECTAL & ANAL STENOSIS	2,938	205	6.8	1.645	(0.323)	0.794	(0.201)	1.009	(0.100)
574.10	CHOLELITH W CHOLECYS NEC	160,264	7,601	518.2	1.514	(0.045)	0.691	(0.024)	0.751	(0.014)
593.2	CYST OF KIDNEY, ACQUIRED	2,762	183	13.7	0.720	(0.227)	0.546	(0.312)	1.082	(0.109)
593.3	STRICTURE OF URETER	2,511	260	25.4	0.934	(0.127)	2.169	(0.890)	1.313	(0.211)
594.2	URETHRAL CALCULUS	1,208	64	8.4	0.558	(0.421)	0.598	(0.641)	0.976	(0.158)
595.1	CHR INTERSTIT CYSTITIS	2,056	108	3.2	0.643	(0.246)	1.533	(0.989)	1.171	(0.189)
595.2	CHRONIC CYSTITIS NEC	3,374	346	27.5	0.579	(0.107)	2.382	(1.067)	1.290	(0.126)
596.0	BLADDER NECK OBSTRUCTION	29,289	2,232	186.0	0.570	(0.043)	1.023	(0.140)	0.914	(0.028)
598.8	URETHRAL STRICTURE NEC	4,860	454	16.3	0.563	(0.083)	2.500	(0.991)	1.017	(0.092)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

1-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
601.1	CHRONIC PROSTATITIS	1,254	69	7.8	0.510	(0.295)	0.834	(0.658)	0.869	(0.134)
601.9	PROSTATITIS NOS	1,185	91	11.4	0.455	(0.196)	0.979	(0.770)	0.975	(0.139)
605	REDUN PREPUCE & PHIMOSIS	1,513	165	4.5	1.288	(0.360)	0.705	(0.276)	1.221	(0.124)
611.0	INFLAM DISEASE OF BREAST	1,577	135	5.1	1.055	(0.206)	0.938	(0.266)	1.380	(0.201)
611.72	LUMP OR MASS IN BREAST	952	50	10.2	0.521	(0.414)	0.471	(0.399)	1.481	(0.248)
614.6	FEM PELVIC PERITON ADHES	1,384	26	9.6	1.832	(0.694)	0.488	(0.198)	0.511	(0.174)
626.2	EXCESSIVE MENSTRUATION	1,420	18	1.0	1.605	(0.725)	0.507	(0.274)	0.985	(0.467)
626.8	MENSTRUAL DISORDER NEC	1,062	33	3.5	1.392	(0.554)	0.366	(0.193)	0.958	(0.260)
650	NORMAL DELIVERY	1,697	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
692.9	DERMATITIS NOS	1,670	199	22.3	0.868	(0.173)	2.991	(1.176)	1.129	(0.181)
695.4	LUPUS ERYTHEMATOSUS	1,003	143	35.2	1.126	(0.287)	1.496	(0.581)	1.762	(0.284)
696.1	OTHER PSORIASIS	2,372	139	2.0	0.887	(0.237)	1.025	(0.402)	1.192	(0.161)
706.2	SEBACEOUS CYST	1,046	62	5.8	0.535	(0.167)	5.492	(3.463)	0.656	(0.221)
714.0	RHEUMATOID ARTHRITIS	37,135	1,813	234.9	1.190	(0.136)	0.631	(0.105)	1.690	(0.054)
715.98	OSTEOARTHRO NOS-OTH SITE	3,136	168	3.6	1.153	(0.325)	0.596	(0.207)	0.978	(0.101)
718.31	RECUR DISLOCAT-SHLDER	1,104	59	2.0	1.574	(0.527)	0.926	(0.363)	0.927	(0.194)
721.3	LUMBOSACRAL SPONDYLOSIS	26,640	1,434	19.9	0.889	(0.082)	0.954	(0.135)	0.906	(0.036)
721.42	SPOND COMPR LUMB SP CORD	2,401	125	6.8	1.640	(0.408)	0.690	(0.208)	0.803	(0.107)
722.83	POSTLAMINECT SYND-LUMBAR	2,503	63	1.6	0.823	(0.338)	0.956	(0.487)	0.898	(0.182)
723.0	CERVICAL SPINAL STENOSIS	3,530	240	26.3	1.542	(0.280)	1.181	(0.350)	1.251	(0.150)
723.4	BRACHIAL NEURITIS NOS	4,876	240	10.7	1.477	(0.226)	0.712	(0.129)	0.826	(0.085)
724.00	SPINAL STENOSIS NOS	2,409	171	2.4	1.312	(0.347)	0.770	(0.335)	1.128	(0.134)
724.2	LUMBAGO	19,459	1,582	52.6	1.473	(0.104)	0.779	(0.090)	1.148	(0.047)
724.6	DISORDERS OF SACRUM	1,306	72	6.6	1.994	(0.510)	0.597	(0.199)	0.925	(0.185)
725	POLYMYALGIA RHEUMATICA	4,333	487	66.3	0.655	(0.111)	2.972	(0.756)	1.276	(0.117)
727.00	SYNOVITIS NOS	1,636	94	2.9	1.194	(0.359)	0.608	(0.206)	0.929	(0.128)
730.16	CHR OSTEOMYELIT-L/LEG	1,428	79	4.5	0.907	(0.245)	2.442	(1.119)	0.860	(0.227)
730.17	CHR OSTEOMYELIT-ANKLE	2,611	310	56.1	0.770	(0.172)	1.997	(1.068)	1.637	(0.184)
733.42	ASEPTIC NECROSIS FEMUR	11,843	550	7.8	1.322	(0.170)	0.825	(0.176)	0.911	(0.065)
738.4	ACQ SPONDYLOLISTHESIS	5,604	185	15.0	1.069	(0.249)	0.761	(0.242)	0.743	(0.082)
780.53	HYPERSOMNI W SLEEP APNEA	1,420	102	9.4	1.293	(0.277)	1.552	(0.486)	0.999	(0.232)
788.3	INCONTINENCE OF URINE	3,019	239	12.6	0.671	(0.155)	1.093	(0.455)	1.347	(0.125)
794.31	ABNORM ELECTROCARDIOGRAM	1,004	78	4.5	0.491	(0.184)	2.207	(1.635)	0.972	(0.215)
823.00	FX UPPER END TIBIA-CLOSE	10,799	656	23.4	1.123	(0.152)	0.612	(0.098)	0.918	(0.048)
844.9	SPRAIN OF KNEE & LEG NOS	2,404	192	6.6	0.480	(0.116)	3.125	(1.811)	0.797	(0.143)
846.9	SPRAIN SACROILIAC NOS	1,658	130	2.2	1.515	(0.412)	0.718	(0.254)	0.985	(0.125)
847.0	SPRAIN OF NECK	3,641	197	7.4	0.960	(0.184)	1.007	(0.247)	0.778	(0.089)
847.2	SPRAIN LUMBAR REGION	8,016	500	17.8	0.783	(0.109)	1.220	(0.267)	0.805	(0.060)
871.1	OCULAR LACERA W PROLAPSE	1,162	108	3.1	0.959	(0.274)	1.902	(0.907)	0.907	(0.157)
891.1	OPEN WND KNEE/LEG-COMPL	3,473	293	5.5	0.717	(0.148)	2.408	(1.207)	0.890	(0.130)
995.1	ANGIONEUROTIC EDEMA	3,004	194	13.2	0.642	(0.140)	1.277	(0.535)	0.804	(0.113)
996.39	MALFUNC GU DEV/GRAFT NEC	3,629	344	6.7	1.169	(0.111)	1.266	(0.350)	0.900	(0.124)
996.4	MALF INT ORTHPED DEV/GRF	57,847	3,000	92.4	1.346	(0.071)	0.940	(0.070)	0.796	(0.025)
996.78(90)	COMP-OTH INT ORTHO DEVIC	1,982	82	6.7	1.962	(1.060)	0.191	(0.125)	1.048	(0.134)
996.81(89)	COMPL KIDNEY TRANSPLANT	2,785	218	73.8	0.844	(0.114)	12.589	(17.09)	2.542	(0.751)
996.81(90)	COMPL KIDNEY TRANSPLANT	2,789	211	30.5	0.841	(0.117)	2.166	(2.212)	2.829	(0.874)
OTHER	IMPUTED ESTIMATE	291,976	15,944	37.7*	0.868	(0.021)	1.131	(0.045)	0.989	(0.013)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
V55.2	ATTEN TO ILEOSTOMY	936	93	4.0	1.092	(0.434)	0.562	(0.231)	0.940	(0.129)
009.1	ENTERITIS OF INFECT ORIG	949	84	2.8	1.119	(0.399)	1.923	(1.263)	0.895	(0.236)
079.9	VIRAL INFECTION NOS	20,457	1,709	8.7	1.178	(0.109)	0.764	(0.079)	0.984	(0.032)
230.4	CA IN SITU RECTUM	1,137	88	2.8	1.876	(0.680)	0.634	(0.230)	1.047	(0.146)
236.2	UNC BEHAV NEO OVARY	1,652	74	6.4	2.023	(0.673)	0.941	(0.352)	0.786	(0.149)
401.0	MALIGNANT HYPERTENSION	25,672	1,949	14.3	1.078	(0.100)	0.982	(0.108)	1.099	(0.034)
402.00	MAL HYPERTEN HRT DIS NOS	1,223	92	7.3	2.532	(0.815)	0.584	(0.191)	0.932	(0.131)
402.90	HYPERTENSIVE HRT DIS NOS	8,362	629	31.2	2.144	(0.321)	0.638	(0.126)	0.973	(0.058)
411.8 (88)	AC ISCHEMIC HRT DIS NEC	20,531	2,283	63.0	1.689	(0.129)	0.659	(0.060)	1.130	(0.032)
411.89(90)	AC ISCHEMIC HRT DIS NEC	12,133	1,138	24.9	1.479	(0.132)	0.925	(0.088)	1.003	(0.044)
413.9	ANGINA PECTORIS NEC/NOS	259,204	20,554	154.5	0.789	(0.023)	1.061	(0.037)	0.962	(0.009)
420.91	AC IDIOPATH PERICARDITIS	2,732	230	1.6	1.209	(0.263)	1.004	(0.251)	1.013	(0.096)
426.12	ATRIOVEN BLOCK-MOBITZ II	4,492	440	2.1	1.200	(0.205)	0.918	(0.180)	0.940	(0.062)
426.13	AV BLOCK-2ND DEGREE NEC	9,414	992	1.6	1.164	(0.144)	0.862	(0.127)	1.014	(0.044)
427.0	PAROX ATRIAL TACHYCARDIA	28,301	2,857	61.7	1.350	(0.084)	1.011	(0.075)	1.065	(0.030)
427.61	ATRIAL PREMATURE BEATS	4,959	478	0.4	0.926	(0.175)	1.076	(0.262)	1.025	(0.068)
427.69	PREMATURE BEATS NEC	39,492	4,105	109.9	1.286	(0.067)	1.138	(0.070)	1.063	(0.025)
427.81	SINOATRIAL NODE DYSFUNCT	71,582	7,255	13.0	1.070	(0.047)	1.064	(0.055)	0.991	(0.017)
429.4	HRT DIS POSTCARDIAC SURG	3,089	299	7.6	1.145	(0.231)	0.738	(0.173)	0.882	(0.074)
454.1	LEG VARICOSITY W INFLAM	2,477	200	5.0	1.163	(0.326)	1.141	(0.374)	1.131	(0.113)
458.0	ORTHOSTATIC HYPOTENSION	35,894	4,295	119.8	0.891	(0.054)	1.328	(0.099)	1.171	(0.026)
487.8	FLU W MANIFESTATION NEC	2,217	175	8.9	2.355	(0.677)	0.440	(0.153)	0.993	(0.101)
530.5	DYSKINESIA OF ESOPHAGUS	9,396	715	17.4	1.648	(0.206)	0.829	(0.118)	0.977	(0.052)
550.11	RECUR UNIL ING HERN-OBST	6,632	661	9.6	1.380	(0.186)	0.918	(0.144)	0.900	(0.050)
552.29	OBSTR VENTRAL HERNIA NEC	1,564	129	11.5	2.630	(0.706)	0.619	(0.166)	1.034	(0.124)
574.50	CHOLEDOCHOLITHIASIS NOS	9,483	757	31.6	1.335	(0.151)	0.878	(0.099)	0.783	(0.040)
592.9	URINARY CALCULUS NOS	1,079	58	1.9	0.891	(0.520)	1.362	(1.309)	0.767	(0.194)
729.5	PAIN IN LIMB	5,467	397	8.4	1.734	(0.324)	0.663	(0.151)	1.028	(0.071)
780.2	SYNCOPE AND COLLAPSE	225,141	21,687	29.4	0.878	(0.025)	1.054	(0.036)	1.022	(0.010)
785.0	TACHYCARDIA NOS	2,167	203	9.9	2.022	(0.462)	0.667	(0.173)	1.071	(0.106)
807.2	FRACTURE OF STERNUM-CLOS	3,635	250	9.8	1.837	(0.387)	0.608	(0.132)	0.898	(0.075)
813.54	FX LOW RADIUS W ULNA-OPN	1,568	83	12.0	1.726	(0.516)	0.835	(0.225)	0.637	(0.099)
823.80	FX TIBIA NOS-CLOSED	3,083	217	6.8	1.489	(0.306)	1.108	(0.248)	0.943	(0.097)
824.8	FX ANKLE NOS-CLOSED	7,573	490	10.9	1.264	(0.183)	1.272	(0.212)	0.922	(0.065)
825.25	FX METATARSAL-CLOSED	1,343	93	0.5	1.295	(0.577)	0.791	(0.406)	1.052	(0.144)
831.00	DISLOC SHOULDER NOS-CLOS	1,008	96	4.7	1.751	(0.605)	0.843	(0.295)	1.146	(0.158)
850.0	CONCUSSION W/O COMA	6,873	742	22.3	1.215	(0.179)	0.974	(0.168)	1.198	(0.060)
922.1	CONTUSION OF CHEST WALL	6,115	563	7.3	1.489	(0.235)	0.673	(0.112)	1.055	(0.057)
995.0	ANAPHYLACTIC SHOCK	2,470	152	19.1	2.627	(0.631)	0.474	(0.119)	0.785	(0.087)
997.2	SURG COMP-PERI VASC SYST	3,539	306	11.7	1.652	(0.300)	0.745	(0.172)	0.842	(0.077)
997.5	SURG COMPL-URINARY TRACT	9,654	877	35.9	1.352	(0.136)	0.883	(0.109)	0.775	(0.041)
998.1	HEMORR COMPLIC PROCEDURE	28,947	2,398	196.0	0.712	(0.067)	0.822	(0.096)	0.825	(0.023)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
V56.8 (89)	AFTERCARE-DIALYSIS NEC	389	92	14.4	0.567	(0.162)	21.001	(22.85)	0.409	(0.445)
V56.8 (90)	AFTERCARE-DIALYSIS NEC	309	60	18.7	0.422	(0.170)	349.89	(7386)	0.293	(0.512)
V57.1	PHYSICAL THERAPY NEC	4,553	548	27.2	0.517	(0.088)	1.337	(0.285)	1.217	(0.085)
V57.89	REHABILITATION PROC NEC	4,770	557	16.4	0.670	(0.094)	1.406	(0.228)	1.156	(0.085)
003.0	SALMONELLA ENTERITIS	3,918	267	43.5	0.885	(0.157)	0.757	(0.149)	0.698	(0.065)
009.2	INFECTIOUS DIARRHEA NOS	1,016	98	0.3	1.134	(0.317)	0.868	(0.236)	0.995	(0.154)
211.1	BENIGN NEOPLASM STOMACH	2,875	256	6.0	0.838	(0.135)	1.549	(0.308)	0.800	(0.106)
225.1	BENIGN NEO CRANIAL NERVE	1,617	123	38.1	2.267	(0.441)	1.341	(0.302)	0.818	(0.186)
225.4	BEN NEO SPINAL MENINGES	1,080	88	15.0	1.683	(0.370)	1.414	(0.320)	0.759	(0.192)
230.3	CA IN SITU COLON	2,734	216	4.6	1.087	(0.205)	1.125	(0.250)	0.796	(0.095)
235.2	UNC BEHAV NEO INTESTINE	9,922	817	12.8	0.915	(0.090)	1.442	(0.190)	0.813	(0.059)
240.9	GOITER NOS	1,390	72	8.1	1.457	(0.375)	1.024	(0.255)	0.610	(0.134)
242.90	THYROTOX NOS NO CRISIS	1,797	196	9.0	1.224	(0.217)	1.224	(0.236)	1.051	(0.138)
250.00(90)	DIABETES UNCOMPL ADULT	793	63	0.4	1.160	(0.412)	0.972	(0.438)	0.917	(0.209)
252.0	HYPERPARATHYROIDISM	3,826	306	7.7	1.142	(0.170)	1.216	(0.192)	0.999	(0.100)
281.0	PERNICIOUS ANEMIA	5,119	561	4.6	0.909	(0.128)	0.895	(0.141)	1.118	(0.070)
281.1	B12 DEFIC ANEMIA NEC	1,015	126	14.1	0.427	(0.139)	2.944	(1.929)	1.209	(0.307)
345.40(90)	PSYMOTR EPIL W/O INT EPI	545	41	0.7	1.306	(0.551)	0.707	(0.291)	1.011	(0.237)
427.2	PAROX TACHYCARDIA NOS	936	76	4.0	0.937	(0.295)	0.846	(0.278)	0.812	(0.145)
427.32	ATRIAL FLUTTER	25,150	2,930	54.4	0.750	(0.047)	1.024	(0.072)	1.155	(0.032)
433.1	CAROTID ARTERY OCCLUSION	91,197	6,191	65.2	0.937	(0.041)	0.844	(0.041)	0.986	(0.018)
433.2	VERTEBRAL ART OCCLUSION	1,029	104	6.0	1.667	(0.484)	0.727	(0.237)	1.268	(0.186)
451.19	DEEP PHLEBITIS-LEG NEC	29,260	3,721	94.0	0.748	(0.042)	1.229	(0.088)	1.210	(0.034)
451.2	THROMBOPHLEBITIS LEG NOS	18,753	1,808	25.5	0.755	(0.061)	0.993	(0.086)	1.101	(0.039)
493.10	INT ASTHMA W/O STAT ASTH	1,438	157	3.5	1.117	(0.222)	1.215	(0.263)	0.996	(0.145)
530.1	ESOPHAGITIS	50,546	5,162	86.2	0.886	(0.041)	0.950	(0.049)	1.220	(0.026)
530.6	ACQ ESOPHAG DIVERTICULUM	4,615	453	25.3	1.379	(0.156)	1.223	(0.148)	0.914	(0.080)
531.30	ACUTE STOMACH ULCER NOS	7,958	740	15.6	0.776	(0.102)	0.968	(0.142)	1.196	(0.063)
531.31	AC STOMACH ULC NOS-OBSTR	984	126	12.3	1.386	(0.334)	1.190	(0.335)	1.227	(0.198)
531.90	STOMACH ULCER NOS	16,931	1,683	47.8	0.729	(0.058)	1.305	(0.118)	1.189	(0.047)
532.30	ACUTE DUODENAL ULCER NOS	7,621	675	13.4	0.691	(0.095)	1.051	(0.169)	1.076	(0.063)
532.90	DUODENAL ULCER NOS	11,674	1,115	16.4	0.779	(0.077)	1.057	(0.108)	1.157	(0.052)
532.91	DUODENAL ULCER NOS-OBSTR	1,292	146	10.4	1.142	(0.249)	1.529	(0.432)	1.021	(0.181)
533.90	PEPTIC ULCER NOS	7,310	694	16.1	0.672	(0.088)	1.315	(0.225)	1.136	(0.074)
535.6	DUODENITIS	6,550	607	19.9	0.607	(0.090)	1.301	(0.236)	1.168	(0.076)
540.1	ABSCESS OF APPENDIX	4,833	359	41.8	1.630	(0.185)	0.856	(0.091)	0.633	(0.061)
555.0	REG ENTERITIS, SM INTEST	2,389	203	26.6	1.591	(0.266)	1.196	(0.207)	1.146	(0.149)
562.10	DIVERTICULOSIS OF COLON	65,525	6,938	11.6	0.998	(0.036)	0.918	(0.037)	1.055	(0.019)
562.11	DIVERTICULITIS OF COLON	141,321	13,674	194.4	1.317	(0.029)	0.924	(0.022)	0.938	(0.013)
564.1	IRRITABLE COLON	13,524	1,667	32.0	1.130	(0.068)	1.212	(0.089)	0.950	(0.047)
566	ANAL & RECTAL ABSCESS	10,202	1,187	101.4	1.347	(0.105)	1.213	(0.112)	1.196	(0.063)
568.0	PERITONEAL ADHESIONS	3,723	272	1.6	1.167	(0.194)	0.896	(0.165)	0.929	(0.092)
574.00	CHOLELITH W AC CHOLECYST	112,006	8,126	538.5	1.084	(0.030)	0.908	(0.026)	0.709	(0.013)
574.11	CHOLELITH/GB INF NEC-OBS	7,862	741	17.3	1.268	(0.113)	1.068	(0.102)	0.852	(0.058)
574.20	CHOLELITHIASIS NOS	24,547	2,237	37.2	0.826	(0.060)	0.869	(0.070)	1.116	(0.034)
574.30	CHOLEDOCHOLITH/AC GB INF	4,518	391	26.8	1.235	(0.139)	0.988	(0.110)	0.658	(0.063)
574.40	CHOLEDOCHLITH/GB INF NEC	5,132	364	37.0	0.978	(0.118)	1.063	(0.125)	0.621	(0.058)
575.1	CHOLECYSTITIS NEC	11,628	952	7.9	1.277	(0.112)	0.853	(0.082)	0.969	(0.051)
682.4	CELLULITIS OF HAND	8,202	836	20.0	0.693	(0.088)	1.042	(0.151)	1.169	(0.059)
715.90	OSTEOARTHROS NOS-UNSPEC	2,172	202	1.0	0.821	(0.183)	1.132	(0.288)	1.040	(0.119)
719.06	JOINT EFFUSION-L/LEG	1,327	132	5.9	0.517	(0.163)	1.475	(0.606)	1.008	(0.146)
721.1	CERV SPONDYL W MYELOPATH	8,647	633	19.1	1.023	(0.117)	1.411	(0.194)	1.021	(0.074)
730.15	CHR OSTEOMYELIT-PELVIS	1,098	118	29.8	1.526	(0.299)	1.982	(0.573)	0.759	(0.242)
730.26	OSTEOMYELITIS NOS-L/LEG	1,706	202	30.4	1.174	(0.203)	1.701	(0.364)	1.166	(0.187)
730.28	OSTEOMYELIT NOS-OTH SITE	2,485	356	48.2	0.688	(0.101)	3.196	(1.150)	1.013	(0.230)
802.4	FX MALAR/MAXILLARY-CLOSE	2,395	186	1.7	0.774	(0.168)	1.307	(0.343)	1.006	(0.130)
807.01	FRACTURE ONE RIB-CLOSED	5,292	650	20.6	0.855	(0.116)	0.748	(0.105)	1.192	(0.064)
812.00	FX UP END HUMERUS NOS-CL	10,866	1,081	5.6	1.135	(0.106)	0.854	(0.094)	1.108	(0.054)
812.03	FX GR TUBEROS HUMERUS-CL	, 1,443	97	4.2	0.704	(0.217)	1.076	(0.362)	0.867	(0.139)
812.09	FX UPPER HUMERUS NEC-CL	5,590	475	5.3	0.981	(0.130)	0.906	(0.135)	0.913	(0.067)
812.40	FX LOWER HUMERUS NOS-CL	2,298	204	0.9	1.179	(0.241)	0.829	(0.183)	1.061	(0.114)
823.20	FX SHAFT TIBIA-CLOSED	962	74	5.9	1.105	(0.275)	1.425	(0.397)	0.595	(0.169)
831.01	ANT DISLOC HUMERUS-CLOSE	1,702	151	3.3	0.669	(0.195)	1.192	(0.433)	1.121	(0.144)
850.5	CONCUSSION W COMA NOS	2,640	217	9.7	0.566	(0.120)	1.413	(0.367)	0.920	(0.104)
891.0	OPEN WND KNEE/LEG/ANKLE	1,833	170	3.3	0.769	(0.212)	0.938	(0.305)	1.150	(0.128)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
924.10	CONTUSION OF LOWER LEG	1,539	162	15.9	0.386	(0.112)	2.545	(1.136)	1.107	(0.183)
958.3	POSTTRAUM WND INFEC NEC	2,390	217	5.1	0.743	(0.154)	1.588	(0.389)	1.009	(0.123)
959.1	TRUNK INJURY NOS	3,757	378	4.1	0.891	(0.166)	0.897	(0.212)	1.152	(0.092)
969.1	POIS-PHENOTHIAZINE TRANQ	1,731	102	23.8	3.023	(0.893)	0.696	(0.263)	1.209	(0.225)
969.8	POISON-PSYCHOTROPIC NEC	964	48	8.9	1.933	(0.554)	1.117	(0.331)	0.584	(0.191)
996.2	MALFUN NEURO DEVICE/GRAF	2,452	281	115.9	1.342	(0.222)	2.295	(0.647)	1.575	(0.270)
996.66(90)	REACT-INTER JOINT PROST	2,361	228	26.0	1.170	(0.199)	1.852	(0.528)	0.889	(0.211)
996.67(90)	REACT-OTH INT ORTHO DEV	1,474	136	6.9	0.902	(0.214)	1.791	(0.649)	0.984	(0.216)
998.3	POSTOP WOUND DISRUPTION	6,274	794	2.6	1.124	(0.109)	0.989	(0.121)	1.000	(0.067)
998.5	POSTOPERATIVE INFECTION	28,660	3,525	7.7	0.879	(0.044)	1.141	(0.075)	0.966	(0.031)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
V56.8 (88)	AFTERCARE-DIALYSIS NEC	419	110	13.1	0.807	(0.420)	0.949	(0.521)	1.584	(0.191)
V71.4	OBSERV-ACCIDENT NEC	2,015	228	0.1	0.930	(0.247)	1.067	(0.302)	0.980	(0.088)
V71.8	OBSERV-SUSPECT COND NEC	7,294	696	10.3	0.892	(0.149)	0.831	(0.167)	0.943	(0.048)
053.9	HERPES ZOSTER NOS	12,084	1,583	4.0	0.900	(0.077)	1.179	(0.129)	1.021	(0.040)
172.6	MALIG MELANOMA ARM	1,389	150	10.9	1.987	(0.553)	0.891	(0.302)	1.101	(0.124)
172.7	MALIG MELANOMA LEG	2,406	288	37.4	2.344	(0.430)	0.854	(0.197)	1.148	(0.098)
173.3	MAL NEO SKIN FACE NEC	5,693	742	1.9	1.052	(0.184)	0.803	(0.160)	1.043	(0.047)
174.6	MAL NEO BREAST-AXILLARY	1,704	142	42.3	0.855	(0.363)	0.285	(0.127)	0.881	(0.083)
174.8	MALIGN NEOPL BREAST NEC	45,334	3,787	596.9	1.849	(0.080)	0.586	(0.027)	0.671	(0.016)
182.0	MALIG NEO CORPUS UTERI	36,041	4,205	507.1	2.034	(0.094)	0.836	(0.048)	1.263	(0.030)
188.0	MAL NEO BLADDER-TRIGONE	3,897	832	79.2	0.887	(0.143)	1.157	(0.233)	1.463	(0.069)
188.1	MAL NEO BLADDER-DOME	5,502	947	23.2	0.660	(0.113)	1.204	(0.266)	1.189	(0.052)
188.2	MAL NEO BLADDER-LATERAL	12,622	1,863	41.8	0.659	(0.076)	1.399	(0.200)	1.155	(0.036)
188.3	MAL NEO BLADDER-ANTERIOR	2,562	554	64.7	0.685	(0.146)	1.691	(0.475)	1.466	(0.088)
212.3	BENIGN NEO BRONCHUS/LUNG	1,132	136	31.9	1.955	(0.742)	0.934	(0.388)	1.662	(0.183)
236.7	UNC BEHAV NEO BLADDER	1,044	99	1.6	0.759	(0.341)	2.466	(2.020)	0.817	(0.161)
250.00(88)	DIABETES UNCOMPL ADULT	916	99	2.6	1.355	(0.732)	0.453	(0.310)	1.176	(0.144)
250.01(89)	DIABETES UNCOMPL JUVEN	1,018	121	6.4	1.379	(0.478)	0.993	(0.457)	1.235	(0.161)
250.91(88)	DIAB W COMPL NOS JUVEN	33,184	4,289	200.2	1.491	(0.083)	0.924	(0.061)	1.195	(0.026)
274.0	GOUTY ARTHROPATHY	8,365	976	35.4	0.452	(0.078)	1.377	(0.290)	1.016	(0.044)
274.9	GOUT NOS	1,191	152	1.5	0.689	(0.243)	1.317	(0.555)	1.056	(0.124)
280.8	IRON DEFIC ANEMIA NEC	1,016	153	8.9	1.413	(0.365)	1.109	(0.292)	1.176	(0.138)
291.8	ALCOHOLIC PSYCHOSIS NEC	7,918	658	0.3	0.943	(0.186)	1.034	(0.294)	1.023	(0.060)
292.0	DRUG WITHDRAWAL SYNDROME	1,958	160	2.9	1.585	(0.436)	0.698	(0.222)	1.069	(0.117)
334.3	CEREBELLAR ATAXIA NEC	911	134	13.1	0.679	(0.370)	0.755	(0.366)	1.507	(0.155)
337.9	AUTONOMIC NERVE DIS NEC	1,219	109	3.7	1.228	(0.732)	0.343	(0.216)	1.243	(0.135)
411.8 (89)	AC ISCHEMIC HRT DIS NEC	17,286	1,989	44.3	0.986	(0.084)	0.823	(0.079)	0.887	(0.026)
435.9	TRANS CEREB ISCHEMIA NOS	234,740	26,663	834.8	0.522	(0.016)	1.263	(0.045)	0.963	(0.008)
437.2	HYPERTENS ENCEPHALOPATHY	23,181	2,304	51.5	1.610	(0.113)	0.707	(0.056)	0.928	(0.027)
451.9	THROMBOPHLEBITIS NOS	994	108	5.5	2.050	(0.616)	0.663	(0.231)	0.951	(0.131)
455.8	HEMRRHOID NOS W COMP NEC	3,216	300	7.5	1.129	(0.197)	1.384	(0.289)	0.834	(0.077)
493.90	ASTHMA W/O STATUS ASTHM	106,920	11,755	45.3	1.096	(0.034)	1.087	(0.039)	0.995	(0.014)
535.3	ALCOHOLIC GASTRITIS	3,152	289	1.5	1.309	(0.294)	0.833	(0.225)	0.975	(0.082)
535.5	GASTRITIS/DUODENITIS NOS	25,874	3,118	29.1	0.986	(0.061)	1.264	(0.096)	1.037	(0.029)
536.9	STOMACH FUNCTION DIS NOS	1,872	189	3.2	1.567	(0.559)	0.427	(0.186)	1.065	(0.096)
558.9	NONINF GASTROENTERIT NEC	113,749	13,449	102.5	1.297	(0.037)	0.928	(0.031)	0.966	(0.012)
595.82	IRRADIATION CYSTITIS	1,991	440	29.5	0.551	(0.138)	0.880	(0.240)	1.398	(0.089)
596.8	BLADDER DISORDER NEC	3,659	455	4.7	1.466	(0.258)	0.695	(0.155)	0.987	(0.063)
604.0	ORCHITIS WITH ABSCESS	1,147	129	2.7	0.577	(0.234)	2.147	(1.338)	0.892	(0.132)
681.10	CELLULITIS, TOE NOS	8,943	1,189	45.0	0.718	(0.102)	1.576	(0.275)	1.199	(0.050)
682.0	CELLULITIS OF FACE	9,220	991	1.3	1.083	(0.123)	0.961	(0.122)	1.030	(0.046)
721.2	THORACIC SPONDYLOSIS	1,053	104	2.1	0.535	(0.255)	1.493	(0.840)	1.036	(0.143)
729.81	SWELLING OF LIMB	927	112	4.2	0.767	(0.376)	0.638	(0.320)	1.168	(0.130)
753.1 (89)	CYSTIC KIDNEY DISEASE	353	31	5.1	2.258	(2.004)	0.141	(0.100)	0.964	(0.187)
781.0	ABN INVOLUN MOVEMENT NEC	1,182	160	8.5	1.232	(0.444)	0.586	(0.212)	1.336	(0.127)
781.2	ABNORMALITY OF GAIT	3,187	387	8.2	0.547	(0.162)	1.165	(0.462)	1.079	(0.073)
781.3	LACK OF COORDINATION	4,385	508	13.4	0.503	(0.098)	2.323	(0.774)	0.962	(0.080)
784.7	EPISTAXIS	23,931	2,516	24.9	0.988	(0.075)	0.832	(0.078)	0.943	(0.026)
802.0	NASAL BONE FX-CLOSED	1,889	213	1.1	0.963	(0.263)	1.277	(0.474)	1.010	(0.107)
805.4	FX LUMBAR VERTEBRA-CLOSE	37,927	4,985	48.0	1.010	(0.052)	1.223	(0.073)	1.051	(0.022)
805.6	FX SACRUM/COCCYX-CLOSED	2,094	240	1.5	0.753	(0.193)	1.224	(0.296)	0.975	(0.086)
810.00	FX CLAVICLE NOS-CLOSED	1,517	175	1.6	1.127	(0.278)	1.177	(0.323)	0.935	(0.106)
823.22	FX SHAFT FIB W TIB-CLOS	2,562	217	2.6	0.756	(0.191)	1.524	(0.428)	0.925	(0.096)
823.82	FX TIBIA W FIBULA NOS-CL	6,314	573	0.8	1.026	(0.165)	1.096	(0.227)	0.995	(0.064)
843.9	SPRAIN HIP & THIGH NOS	1,829	220	0.6	0.836	(0.224)	1.207	(0.370)	0.974	(0.093)
850.9	CONCUSSION NOS	4,870	605	7.4	1.420	(0.192)	0.870	(0.122)	1.015	(0.057)
873.0	OPEN WOUND OF SCALP	3,244	435	5.6	1.521	(0.309)	0.666	(0.169)	1.092	(0.069)
922.2	CONTUSION ABDOMINAL WALL	1,737	172	4.8	1.595	(0.567)	0.412	(0.179)	1.002	(0.096)
922.3	CONTUSION OF BACK	4,249	583	4.4	1.097	(0.156)	1.173	(0.207)	1.003	(0.063)
924.00	CONTUSION OF THIGH	1,567	161	11.1	0.474	(0.204)	1.051	(0.598)	0.938	(0.101)
924.8	MULTIPLE CONTUSIONS NEC	4,204	582	10.0	1.275	(0.208)	0.916	(0.189)	1.128	(0.066)
962.3	POISON-INSULIN/ANTIDIAB	1,986	346	29.3	1.148	(0.233)	1.384	(0.404)	1.292	(0.116)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		PERSISTENCE		LONG TERM	
966.1	POISON-HYDANTOIN DERIVAT	2,932	291	8.3	0.636	(0.193)	1.404	(0.642)	1.190	(0.109)
992.5	HEAT EXHAUSTION NOS	1,918	222	2.0	0.920	(0.370)	1.019	(0.472)	0.907	(0.073)
996.65(90)	REACT-OTH GENITOURIN DEV	479	65	3.2	0.762	(0.382)	0.758	(0.471)	1.356	(0.224)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
047.9	VIRAL MENINGITIS NOS	1,369	145	2.4	1.348	(0.292)	0.889	(0.247)	0.913	(0.140)
053.19	H ZOSTER NERV SYST NEC	3,155	408	3.1	0.923	(0.126)	1.049	(0.217)	0.896	(0.079)
173.2	MALIG NEO SKIN EAR	1,762	314	12.5	0.654	(0.127)	1.332	(0.502)	1.235	(0.115)
173.6	MALIG NEO SKIN ARM	1,006	152	0.6	1.033	(0.274)	0.804	(0.311)	1.080	(0.132)
188.4	MAL NEO BLADDER-POST	6,644	1,017	115.9	0.514	(0.064)	0.880	(0.182)	1.311	(0.060)
188.5	MAL NEO BLADDER NECK	4,973	922	150.6	0.374	(0.055)	1.729	(0.726)	1.525	(0.098)
250.00(89)	DIABETES UNCOMPL ADULT	824	92	1.3	0.886	(0.259)	1.511	(0.614)	0.822	(0.174)
250.01(88)	DIABETES UNCOMPL JUVEN	1,231	140	1.0	0.838	(0.263)	0.976	(0.478)	1.065	(0.157)
250.01(90)	DIABETES UNCOMPL JUVEN	917	86	0.5	0.825	(0.281)	1.094	(0.497)	1.054	(0.195)
250.60(88)	DIAB NEURO MANIF ADULT	1,879	243	3.2	0.807	(0.178)	1.229	(0.377)	1.133	(0.124)
250.60(90)	DIAB NEURO MANIF ADULT	1,865	226	6.6	0.816	(0.171)	1.211	(0.359)	1.247	(0.145)
250.61(88)	DIAB NEURO MANIF JUVEN	2,569	382	21.4	0.845	(0.165)	1.096	(0.360)	1.413	(0.129)
250.61(89)	DIAB NEURO MANIF JUVEN	2,458	395	48.4	1.136	(0.144)	1.953	(0.417)	1.084	(0.144)
250.61(90)	DIAB NEURO MANIF JUVEN	2,715	363	20.2	1.180	(0.150)	1.435	(0.303)	1.000	(0.140)
250.80(88)	DIAB W MANIF NEC ADULT	4,031	658	48.2	1.026	(0.146)	1.188	(0.260)	1.376	(0.095)
250.81(88)	DIAB W MANIF NEC JUVEN	6,804	1,136	154.0	1.065	(0.092)	1.886	(0.297)	1.263	(0.095)
250.81(89)	DIAB W MANIF NEC JUVEN	6,440	1,120	177.3	1.332	(0.134)	1.262	(0.202)	1.479	(0.086)
250.91(89)	DIAB W COMPL NOS JUVEN	31,019	3,952	13.0	1.029	(0.053)	0.867	(0.060)	1.096	(0.027)
250.91(90)	DIAB W COMPL NOS JUVEN	30,334	3,451	16.0	1.106	(0.057)	0.792	(0.056)	1.114	(0.032)
280.9	IRON DEFIC ANEMIA NOS	22,380	3,292	16.3	0.980	(0.056)	0.895	(0.068)	1.116	(0.030)
282.62	HB-S DISEASE WITH CRISIS	5,390	302	110.2	4.186	(0.815)	0.200	(0.049)	3.729	(0.335)
290.12	PRESENILE DELUSION	941	210	58.3	0.957	(0.213)	2.108	(0.663)	1.663	(0.218)
292.12	DRUG HALLUCINOSIS	1,105	172	2.1	1.237	(0.229)	0.971	(0.253)	0.923	(0.122)
293.83	ORGANIC AFFECTIVE SYND	1,041	135	4.6	1.260	(0.341)	0.902	(0.297)	1.234	(0.171)
296.23	DEPRESS PSYCHOSIS-SEVERE	3,041	320	0.9	0.926	(0.148)	0.959	(0.193)	0.999	(0.090)
298.8	REACT PSYCHOSIS NEC/NOS	920	134	5.5	1.235	(0.296)	0.871	(0.229)	1.290	(0.162)
331.3	COMMUNICAT HYDROCEPHALUS	4,899	854	111.0	1.225	(0.121)	1.558	(0.235)	1.302	(0.087)
344.61	NEUROGENIC BLADDER	2,905	400	15.5	1.245	(0.172)	0.986	(0.207)	1.222	(0.102)
345.50(90)	PART EPIL W/O INTR EPIL	1,334	212	15.2	1.552	(0.249)	0.832	(0.176)	1.266	(0.155)
356.9	IDIO PERIPH NEURPTHY NOS	2,396	434	44.4	1.198	(0.170)	1.097	(0.256)	1.464	(0.122)
405.91	RENOVASC HYPERTENSION	1,594	165	2.4	0.711	(0.176)	1.186	(0.405)	1.051	(0.158)
433.3	MULT PRECEREB OCCLUSION	32,244	2,924	122.7	1.126	(0.067)	0.729	(0.048)	0.839	(0.023)
447.1	STRICTURE OF ARTERY	13,531	1,446	42.8	1.624	(0.123)	0.793	(0.075)	0.950	(0.042)
451.11	FEMORAL VEIN PHLEBITIS	9,103	1,362	18.6	1.031	(0.064)	1.000	(0.095)	0.824	(0.044)
453.8	VENOUS THROMBOSIS NEC	68,583	10,957	123.0	1.106	(0.023)	1.004	(0.033)	0.839	(0.016)
454.2	VARICOS LEG ULCER/INFLAM	13,247	1,525	33.0	0.608	(0.054)	2.046	(0.351)	0.866	(0.054)
459.81	VENOUS INSUFFICIENCY NOS	3,885	534	1.8	1.033	(0.139)	1.085	(0.212)	1.033	(0.079)
462	ACUTE PHARYNGITIS	1,956	245	4.6	0.874	(0.116)	1.417	(0.279)	0.799	(0.108)
478.79	DISEASE OF LARYNX NEC	961	106	9.9	1.893	(0.435)	0.918	(0.258)	0.875	(0.156)
493.91	ASTHMA W STATUS ASTHMAT	44,289	4,969	36.3	1.195	(0.052)	0.733	(0.038)	1.025	(0.023)
531.70	CHR STOMACH ULCER NOS	1,694	163	2.8	0.882	(0.210)	0.884	(0.238)	0.937	(0.113)
531.91	STOMACH ULCER NOS-OBSTR	1,714	216	2.2	1.173	(0.228)	1.104	(0.304)	0.953	(0.121)
535.0	ACUTE GASTRITIS	41,120	5,261	57.2	1.155	(0.045)	0.804	(0.042)	0.916	(0.021)
535.1	ATROPHIC GASTRITIS	3,796	463	5.2	0.813	(0.119)	1.097	(0.215)	0.921	(0.071)
535.4	GASTRITIS NEC	19,549	2,458	7.0	1.005	(0.060)	0.880	(0.071)	0.992	(0.032)
536.8	STOMACH FUNCTION DIS NEC	6,139	791	12.9	1.243	(0.105)	0.939	(0.105)	0.848	(0.058)
552.1	UMBILICAL HERNIA W OBSTR	7,923	741	34.2	1.242	(0.128)	0.744	(0.097)	0.794	(0.048)
555.1	REG ENTERITIS, LG INTEST	3,258	388	40.3	1.582	(0.182)	1.282	(0.171)	0.937	(0.109)
555.9	REGIONAL ENTERITIS NOS	3,650	334	9.1	1.416	(0.197)	0.927	(0.143)	1.039	(0.105)
569.1	RECTAL PROLAPSE	6,875	783	1.0	1.115	(0.132)	0.911	(0.141)	0.981	(0.054)
577.1	CHRONIC PANCREATITIS	5,384	721	7.4	0.979	(0.111)	0.948	(0.149)	1.184	(0.076)
590.80	PYELONEPHRITIS NOS	21,270	2,889	3.0	1.028	(0.055)	0.895	(0.062)	1.026	(0.032)
595.0	ACUTE CYSTITIS	10,074	1,915	96.5	0.665	(0.054)	1.371	(0.173)	1.313	(0.049)
595.9	CYSTITIS NOS	6,116	1,244	62.5	0.799	(0.070)	1.509	(0.219)	1.268	(0.065)
596.4	ATONY OF BLADDER	1,132	189	9.2	0.520	(0.138)	1.680	(0.642)	1.168	(0.139)
682.3	CELLULITIS OF ARM	14,952	2,177	12.7	0.915	(0.056)	1.012	(0.089)	1.124	(0.041)
682.6	CELLULITIS OF LEG	106,680	14,052	71.7	0.868	(0.023)	1.164	(0.044)	0.917	(0.013)
682.7	CELLULITIS OF FOOT	32,896	4,862	72.7	0.932	(0.047)	1.167	(0.086)	1.143	(0.028)
682.8	CELLULITIS, SITE NEC	1,090	186	10.2	1.006	(0.176)	1.668	(0.455)	1.057	(0.174)
686.9	LOCAL SKIN INFECTION NOS	2,266	312	19.7	1.831	(0.274)	0.800	(0.163)	1.009	(0.102)
693.0	DRUG DERMATITIS NOS	3,564	512	3.3	0.897	(0.112)	0.949	(0.160)	0.986	(0.073)
720.0	ANKYLOSING SPONDYLITIS	902	90	11.2	1.753	(0.437)	1.237	(0.422)	0.930	(0.242)
730.07	AC OSTEOMYELITIS-ANKLE	5,250	810	31.1	0.849	(0.103)	1.519	(0.267)	1.175	(0.077)
730.08	AC OSTEOMYELITIS NEC	1,380	227	5.5	0.811	(0.150)	1.453	(0.407)	1.132	(0.151)
730.25	OSTEOMYELITIS NOS-PELVIS	1,175	234	64.7	1.170	(0.205)	1.892	(0.406)	1.601	(0.231)
730.27	OSTEOMYELITIS NOS-ANKLE	9,966	1,523	70.0	0.743	(0.071)	1.486	(0.201)	1.258	(0.057)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

2-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
731.0	OSTEITIS DEFORMANS NOS	1,427	172	3.1	0.897	(0.198)	1.310	(0.426)	0.799	(0.118)
733.00	OSTEOPOROSIS NOS	3,891	603	8.5	0.811	(0.108)	1.227	(0.246)	1.138	(0.078)
753.1 (88)	CYSTIC KIDNEY DISEASE	395	44	4.7	1.869	(0.976)	0.246	(0.122)	1.376	(0.269)
781.9	NERV/MUSCULSKEL SYM NEC	1,000	141	3.6	1.498	(0.352)	0.612	(0.154)	1.068	(0.126)
785.6	ENLARGEMENT LYMPH NODES	1,744	224	19.3	0.708	(0.148)	1.531	(0.590)	1.456	(0.179)
805.2	FX DORSAL VERTEBRA-CLOSE	24,330	3,287	15.3	0.866	(0.047)	1.051	(0.075)	0.961	(0.026)
805.8	VERTEBRAL FX NOS-CLOSED	1,175	181	1.7	0.800	(0.203)	1.235	(0.437)	1.088	(0.135)
812.01	FX SURG NCK HUMERUS-CLOS	14,704	1,822	43.5	1.241	(0.081)	0.835	(0.063)	0.835	(0.031)
812.41	SUPRCONDYL FX HUMERUS-CL	2,824	343	2.8	0.846	(0.156)	0.994	(0.239)	0.962	(0.079)
823.02	FX UP TIBIA W FIBULA-CL	3,735	346	12.3	0.763	(0.125)	1.103	(0.207)	0.836	(0.074)
920	CONTUSION FACE/SCALP/NCK	4,139	618	0.7	0.981	(0.138)	0.987	(0.208)	0.967	(0.064)
924.01	CONTUSION OF HIP	11,285	1,828	23.1	0.751	(0.060)	1.284	(0.149)	0.904	(0.036)
977.8	POISON-MEDICINAL AGT NEC	989	88	10.2	1.381	(0.342)	1.074	(0.387)	0.566	(0.153)
OTHER	IMPUTED ESTIMATE	124,372	13,822	35.0*	1.023	(0.024)	0.980	(0.031)	0.931	(0.014)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
009.0	INFECTIOUS ENTERITIS NOS	2,597	251	6.6	1.610	(0.284)	0.737	(0.125)	0.972	(0.086)
185	MALIGN NEOPL PROSTATE	186,393	29,273	169.2	1.142	(0.022)	0.856	(0.020)	1.102	(0.009)
401.1	BENIGN HYPERTENSION	1,744	157	6.6	2.324	(0.670)	0.349	(0.104)	1.113	(0.109)
411.1	INTERMED CORONARY SYND	573,646	57,139	392.1	0.847	(0.011)	1.127	(0.016)	0.919	(0.006)
426.10	ATRIOVENT BLOCK NOS	1,652	210	5.6	1.643	(0.349)	0.618	(0.139)	1.015	(0.096)
426.11	ATRIOVENT BLOCK-1ST DEGR	3,229	405	11.9	0.730	(0.155)	0.872	(0.226)	1.018	(0.067)
426.6	OTHER HEART BLOCK	2,363	253	3.7	1.006	(0.214)	0.823	(0.199)	0.928	(0.081)
427.60	PREMATURE BEATS NOS	936	100	2.3	1.011	(0.379)	0.726	(0.333)	0.944	(0.130)
427.89	CARDIAC DYSRHYTHMIAS NEC	98,655	12,102	21.5	1.101	(0.034)	0.893	(0.033)	1.052	(0.014)
487.1	FLU W RESP MANIFEST NEC	22,138	2,077	72.5	1.247	(0.082)	0.732	(0.051)	0.849	(0.027)
550.10	UNILAT ING HERNIA W OBST	23,789	2,691	23.2	0.990	(0.064)	0.957	(0.070)	0.903	(0.024)
550.12	BILAT ING HERNIA W OBST	1,593	203	2.0	1.203	(0.263)	1.014	(0.252)	0.908	(0.093)
552.00	UNIL FEMORAL HERN W OBST	9,418	1,035	16.1	1.252	(0.108)	1.055	(0.097)	0.930	(0.044)
596.7	BLADDER WALL HEMORRHAGE	903	157	9.8	0.474	(0.136)	1.521	(0.584)	0.959	(0.128)
788.2	RETENTION OF URINE	17,108	3,076	51.3	0.831	(0.048)	1.358	(0.093)	1.089	(0.031)
789.0	ABDOMINAL PAIN	71,852	8,805	550.9	1.975	(0.070)	0.640	(0.028)	1.199	(0.019)
807.02	FRACTURE TWO RIBS-CLOSED	6,244	794	1.2	0.995	(0.117)	1.036	(0.138)	1.041	(0.053)
808.2	FRACTURE OF PUBIS-CLOSED	37,797	5,353	147.3	0.976	(0.041)	1.341	(0.062)	1.099	(0.023)
854.02	BRAIN INJ NEC-BRIEF COMA	2,089	213	4.1	1.365	(0.287)	0.901	(0.205)	1.090	(0.106)
997.1	SURG COMPL-HEART	6,503	809	17.4	1.528	(0.163)	0.716	(0.083)	1.093	(0.054)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
V56.0 (88)	ADMIT FOR RENAL DIALYSIS	660	145	28.1	0.489	(0.077)	4.688	(1.237)	0.527	(0.239)
V58.0 (88)	RADIOTHERAPY SESSION	6,149	2,447	61.1	1.110	(0.077)	1.686	(0.191)	0.744	(0.033)
V58.0 (89)	RADIOTHERAPY SESSION	4,756	2,089	49.3	1.226	(0.090)	1.778	(0.213)	0.808	(0.040)
V58.0 (90)	RADIOTHERAPY SESSION	4,066	1,759	58.5	1.237	(0.100)	1.967	(0.236)	0.866	(0.051)
V58.1 (88)	MAINTENANCE CHEMOTHERAPY	32,668	18,936	2548.1	0.707	(0.021)	107E11	(.)	0.945	(0.016)
V58.1 (89)	MAINTENANCE CHEMOTHERAPY	34,744	19,804	2436.0	0.689	(0.022)	107E11	(.)	0.950	(0.015)
V58.1 (90)	MAINTENANCE CHEMOTHERAPY	33,939	17,393	2104.6	0.683	(0.023)	107E11	(.)	0.971	(0.017)
V58.8	AFTERCARE NEC	3,406	519	15.8	1.663	(0.225)	0.564	(0.087)	1.016	(0.068)
008.49	BACTERIAL ENTERITIS NEC	9,953	2,016	52.2	0.970	(0.048)	1.386	(0.086)	0.930	(0.047)
053.79	H ZOSTER COMPLICATED NEC	2,420	388	19.3	0.534	(0.085)	1.778	(0.385)	0.843	(0.080)
153.0	MAL NEO HEPATIC FLEXURE	6,063	1,596	61.7	1.232	(0.083)	1.334	(0.114)	0.836	(0.040)
153.2	MAL NEO DESCEND COLON	11,117	2,440	249.7	1.278	(0.062)	1.330	(0.077)	0.612	(0.025)
153.3	MAL NEO SIGMOID COLON	46,222	10,321	670.7	1.120	(0.031)	1.546	(0.059)	0.671	(0.014)
153.4	MALIGNANT NEOPLASM CECUM	30,257	7,913	223.7	1.082	(0.035)	1.365	(0.057)	0.775	(0.017)
153.6	MALIG NEO ASCEND COLON	24,966	5,807	158.3	1.018	(0.038)	1.355	(0.064)	0.770	(0.019)
161.1	MALIG NEO SUPRAGLOTTIS	2,306	638	289.8	0.902	(0.071)	12.568	(1.874)	0.284	(0.068)
174.9	MALIGN NEOPL BREAST NOS	43,547	4,939	1530.8	2.603	(0.099)	0.433	(0.017)	0.559	(0.013)
180.0	MALIG NEO ENDOCERVIX	1,553	336	114.2	0.790	(0.089)	6.961	(1.206)	0.390	(0.093)
196.6	MAL NEO LYMPH-INTRAPELV	989	244	188.7	0.976	(0.105)	8.670	(1.648)	0.007	(0.050)
227.3	BENIGN NEO PITUITARY	2,604	287	66.0	1.049	(0.138)	2.323	(0.395)	0.844	(0.143)
291.0	DELIRIUM TREMENS	4,405	439	4.6	0.864	(0.120)	0.948	(0.142)	1.027	(0.072)
357.0	AC INFECT POLYNEURITIS	2,908	522	182.5	1.161	(0.104)	2.211	(0.227)	1.074	(0.128)
403.90(90)	HYP REN NOS W/O REN FAIL	578	88	8.7	1.260	(0.386)	1.070	(0.480)	1.438	(0.320)
411.81(90)	AC ISCH HRT DIS W/O MI	7,675	834	43.9	0.959	(0.092)	0.689	(0.076)	1.055	(0.060)
414.0	CORONARY ATHEROSCLEROSIS	295,408	23,113	2451.8	1.168	(0.018)	0.842	(0.014)	0.639	(0.008)
414.8	CHR ISCHEMIC HRT DIS NEC	8,536	1,141	5.6	0.983	(0.075)	0.927	(0.083)	1.128	(0.059)
414.9	CHR ISCHEMIC HRT DIS NOS	19,722	1,763	135.3	1.418	(0.086)	0.606	(0.040)	0.812	(0.032)
420.90	ACUTE PERICARDITIS NOS	6,463	1,032	9.2	0.975	(0.082)	0.996	(0.094)	1.164	(0.062)
424.0	MITRAL VALVE DISORDER	13,589	1,883	236.1	1.400	(0.067)	1.255	(0.066)	1.024	(0.053)
425.1	HYPERTR OBSTR CARDIOMYOP	2,335	254	5.6	1.113	(0.167)	0.743	(0.113)	1.016	(0.105)
440.8	ATHEROSCLEROSIS NEC	1,520	138	7.7	1.461	(0.272)	1.014	(0.186)	0.862	(0.126)
466.1	ACUTE BRONCHIOLITIS	2,161	331	10.1	0.734	(0.112)	1.057	(0.181)	1.199	(0.109)
527.2	SIALOADENITIS	7,130	871	2.6	0.893	(0.077)	1.184	(0.134)	0.981	(0.071)
528.3	CELLULITIS/ABSCESS MOUTH	1,122	132	1.1	1.097	(0.283)	0.768	(0.230)	1.102	(0.155)
530.7	MALLORY-WEISS SYNDROME	7,623	1,097	4.5	1.035	(0.081)	0.856	(0.079)	1.065	(0.057)
531.00	AC STOMACH ULCER W HEM	35,676	5,309	112.1	1.020	(0.036)	0.864	(0.034)	1.299	(0.030)
531.40	CHR STOMACH ULC W HEM	55,545	7,901	189.1	0.876	(0.027)	0.913	(0.032)	1.265	(0.024)
532.40	CHR DUODEN ULCER W HEM	37,249	5,710	33.1	1.059	(0.034)	0.926	(0.034)	1.148	(0.028)
534.00	AC MARGINAL ULCER W HEM	1,066	128	3.1	0.858	(0.178)	1.193	(0.272)	0.762	(0.140)
540.0	AC APPEND W PERITONITIS	16,441	1,392	283.3	1.239	(0.064)	0.912	(0.044)	0.465	(0.027)
552.20	OBSTR VENTRAL HERNIA NOS	7,368	783	8.3	1.073	(0.092)	0.842	(0.078)	0.941	(0.059)
552.21	OBSTR INCISIONAL HERNIA	10,238	772	79.2	0.807	(0.077)	0.878	(0.096)	0.765	(0.047)
556	IDIOPATHIC PROCTOCOLITIS	9,406	1,293	163.4	0.945	(0.055)	1.977	(0.143)	0.810	(0.064)
560.81	INTESTINAL ADHES W OBSTR	58,224	9,357	120.5	1.267	(0.029)	0.907	(0.022)	0.976	(0.019)
562.00	DIVERTICULOSIS SM INTEST	1,217	174	2.3	1.259	(0.206)	0.901	(0.160)	0.991	(0.160)
569.41	RECTAL & ANAL ULCER	1,909	379	93.6	0.892	(0.088)	2.477	(0.307)	0.954	(0.154)
571.8	CHRONIC LIVER DIS NEC	1,031	151	27.0	1.332	(0.241)	1.461	(0.269)	1.178	(0.184)
574.01	CHOLELITH/AC GB INF-OBST	13,849	1,304	154.6	0.745	(0.047)	1.037	(0.071)	0.673	(0.036)
574.31	CHOLEDOCHLITH/AC GB-OBST	5,822	684	34.9	0.952	(0.077)	0.937	(0.077)	0.728	(0.055)
574.41	CHOLEDOCHLITH/GB NEC-OBS	5,730	618	47.5	0.661	(0.063)	1.190	(0.128)	0.772	(0.061)
574.51	CHOLEDOCHLITH NOS W OBST	9,124	1,242	44.7	0.699	(0.046)	1.226	(0.099)	0.875	(0.055)
575.0	ACUTE CHOLECYSTITIS	22,257	2,843	47.3	1.087	(0.048)	0.837	(0.042)	0.891	(0.031)
575.8	DIS OF GALLBLADDER NEC	1,490	182	20.0	0.460	(0.064)	3.684	(0.679)	0.488	(0.158)
590.00	CHR PYELONEPHRITIS NOS	1,355	206	7.5	0.913	(0.172)	1.509	(0.441)	1.028	(0.187)
590.10	AC PYELONEPHRITIS NOS	45,507	6,237	245.6	0.613	(0.021)	1.526	(0.076)	1.066	(0.029)
593.89	RENAL & URETERAL DIS NEC	1,936	314	10.3	0.639	(0.109)	1.984	(0.466)	0.952	(0.103)
595.89	CYSTITIS NEC	1,293	246	33.6	0.427	(0.064)	4.769	(1.394)	0.837	(0.176)
608.4	MALE GEN INFLAM DIS NEC	2,113	422	138.0	0.594	(0.049)	6.983	(1.057)	0.222	(0.081)
711.06	PYOGEN ARTHRITIS-L/LEG	4,265	664	39.8	0.925	(0.082)	1.579	(0.176)	1.012	(0.091)
807.03	FRACTURE THREE RIBS-CLOS	6,710	879	80.9	0.591	(0.053)	1.044	(0.107)	1.137	(0.065)
807.04	FRACTURE FOUR RIBS-CLOSE	4,442	594	41.8	0.762	(0.088)	0.800	(0.107)	1.208	(0.080)
807.05	FRACTURE FIVE RIBS-CLOSE	2,664	329	12.9	0.756	(0.114)	1.060	(0.209)	0.873	(0.105)
807.06	FRACTURE SIX RIBS-CLOSED	1,379	184	1.8	1.058	(0.160)	1.031	(0.166)	0.824	(0.135)
808.49	PELVIC FRACTURE NEC-CLOS	947	138	9.4	0.567	(0.106)	1.628	(0.444)	0.781	(0.222)
812.21	FX HUMERUS SHAFT-CLOSED	4,267	528	20.2	0.828	(0.099)	0.827	(0.108)	1.192	(0.085)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
820.01	FX UP FEMUR EPIPHY-CLOS	1,325	243	11.7	0.775	(0.105)	1.579	(0.289)	1.048	(0.201)
823.92	FX TIBIA W FIB NOS-OPEN	1,100	105	17.3	1.853	(0.382)	0.734	(0.166)	0.634	(0.142)
861.01	HEART CONTUSION-CLOSED	1,910	162	56.1	2.203	(0.362)	0.420	(0.066)	0.629	(0.090)
969.0	POISONING-ANTIDEPRESSANT	4,809	372	1.7	1.157	(0.188)	0.775	(0.151)	1.051	(0.085)
986	TOX EFF CARBON MONOXIDE	1,401	167	4.7	0.996	(0.190)	0.783	(0.163)	0.980	(0.133)
996.69(90)	REACT-INT PROS DEVIC NEC	2,021	440	88.0	0.681	(0.078)	3.679	(0.732)	1.154	(0.145)
996.72(90)	COMP-OTH CARDIAC DEVICE	1,134	129	2.4	0.737	(0.157)	1.393	(0.376)	1.005	(0.199)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		INITIAL PERSISTENCE		LONG TERM	
V56.0 (89)	ADMIT FOR RENAL DIALYSIS	714	181	3.6	0.628	(0.187)	1.407	(0.711)	0.948	(0.120)
V56.0 (90)	ADMIT FOR RENAL DIALYSIS	803	187	0.6	1.026	(0.238)	1.163	(0.370)	0.947	(0.121)
141.2	MAL NEO TIP/LAT TONGUE	954	239	41.7	0.698	(0.284)	0.631	(0.289)	1.766	(0.136)
142.0	MALIG NEO PAROTID	2,594	567	26.6	1.423	(0.262)	0.339	(0.075)	1.143	(0.060)
173.4	MAL NEO SCALP/SKIN NECK	1,717	358	4.8	1.273	(0.252)	0.578	(0.141)	1.107	(0.081)
189.1	MALIG NEO RENAL PELVIS	3,727	741	4.3	0.808	(0.103)	1.137	(0.206)	0.963	(0.060)
189.2	MALIGN NEOPL URETER	2,726	473	28.5	0.770	(0.132)	0.852	(0.184)	0.857	(0.059)
250.90(88)	DIAB W COMPL NOS ADULT	17,908	2,341	12.8	1.058	(0.070)	0.930	(0.073)	0.920	(0.029)
250.90(89)	DIAB W COMPL NOS ADULT	16,418	2,051	49.5	1.138	(0.084)	0.763	(0.068)	0.875	(0.028)
250.90(90)	DIAB W COMPL NOS ADULT	16,245	1,885	18.3	1.023	(0.073)	0.963	(0.084)	0.883	(0.033)
251.2	HYPOGLYCEMIA NOS	33,248	7,843	332.5	1.269	(0.044)	1.001	(0.043)	1.220	(0.022)
276.8	HYPOPOTASSEMIA	24,123	4,168	49.7	1.269	(0.054)	0.967	(0.048)	1.008	(0.026)
280.0	CHR BLOOD LOSS ANEMIA	21,398	5,397	255.8	1.112	(0.045)	1.124	(0.061)	1.263	(0.030)
292.81	DRUG-INDUCED DELIRIUM	4,724	883	2.3	0.860	(0.091)	1.148	(0.145)	1.012	(0.056)
345.1 (88)	GEN CONVULSIVE EPILEPSY	7,517	1,410	53.4	1.346	(0.111)	0.841	(0.089)	1.252	(0.054)
345.9 (88)	EPILEPSY NOS	4,951	861	23.4	0.956	(0.102)	1.195	(0.159)	1.192	(0.067)
345.9 (89)	EPILEPSY NOS	4,373	717	12.8	1.047	(0.124)	1.003	(0.134)	1.186	(0.067)
345.90(90)	EPILEP NOS W/O INTR EPIL	4,133	598	5.7	0.944	(0.122)	0.997	(0.155)	1.159	(0.076)
426.9	CONDUCTION DISORDER NOS	4,056	531	87.8	1.010	(0.194)	0.475	(0.119)	0.818	(0.049)
427.31	ATRIAL FIBRILLATION	213,716	29,346	853.6	0.976	(0.016)	0.929	(0.018)	0.824	(0.008)
437.9	CEREBROVASC DISEASE NOS	4,772	861	5.2	1.018	(0.110)	1.046	(0.134)	1.088	(0.059)
442.3	LOWER EXTREMITY ANEURYSM	7,421	928	25.9	1.041	(0.104)	0.889	(0.094)	0.831	(0.040)
453.9	VENOUS THROMBOSIS NOS	1,111	190	2.7	1.476	(0.370)	0.531	(0.166)	1.110	(0.118)
457.1	OTHER LYMPHEDEMA	1,314	298	9.4	0.669	(0.124)	1.779	(0.488)	1.090	(0.131)
465.9	ACUTE URI NOS	12,132	1,828	63.1	0.970	(0.075)	0.715	(0.064)	0.940	(0.032)
466.0	ACUTE BRONCHITIS	275,895	49,063	41.7	0.932	(0.013)	1.010	(0.016)	1.006	(0.007)
478.29	DISEASE OF PHARYNX NEC	1,541	231	4.4	1.260	(0.312)	0.670	(0.208)	1.219	(0.114)
490	BRONCHITIS NOS	17,090	2,718	18.7	0.903	(0.054)	0.933	(0.063)	0.975	(0.029)
491.9	CHRONIC BRONCHITIS NOS	1,247	201	0.5	0.914	(0.200)	1.050	(0.233)	1.064	(0.113)
534.40	CHR MARGINAL ULCER W HEM	1,748	255	11.2	1.669	(0.276)	0.692	(0.125)	0.875	(0.085)
558.2	TOXIC GASTROENTERITIS	1,930	438	1.1	0.883	(0.136)	1.103	(0.263)	0.960	(0.088)
564.0	CONSTIPATION	10,640	2,028	19.6	0.780	(0.059)	1.204	(0.117)	1.093	(0.039)
569.6	ENTEROSTOMY MALFUNCTION	8,811	1,495	5.7	0.977	(0.073)	1.116	(0.109)	0.901	(0.041)
591	HYDRONEPHROSIS	4,461	903	18.8	0.678	(0.070)	1.790	(0.282)	0.932	(0.064)
593.4	URETERIC OBSTRUCTION NEC	6,655	1,351	42.1	0.570	(0.055)	1.551	(0.245)	0.965	(0.051)
599.7	HEMATURIA	18,111	3,996	71.2	0.847	(0.041)	1.015	(0.067)	0.890	(0.024)
599.8	URINARY TRACT DIS NEC	1,018	181	1.7	0.890	(0.201)	0.973	(0.249)	0.934	(0.108)
623.8	NONINFLAM DIS VAGINA NEC	1,222	359	17.6	0.857	(0.167)	1.257	(0.429)	1.328	(0.138)
719.45	JOINT PAIN-PELVIS	4,009	678	1.1	0.993	(0.119)	0.907	(0.123)	1.017	(0.059)
724.5	BACKACHE NOS	6,440	897	3.9	0.908	(0.112)	0.922	(0.158)	1.004	(0.054)
733.1	PATHOLOGICAL FRACTURE	80,438	18,637	573.7	0.986	(0.021)	1.279	(0.036)	1.161	(0.016)
780.6	PYREXIA UNKNOWN ORIGIN	36,646	8,393	26.1	0.946	(0.031)	1.162	(0.050)	1.022	(0.020)
780.7	MALAISE AND FATIGUE	9,362	1,900	24.8	1.105	(0.080)	1.004	(0.092)	1.131	(0.042)
787.0	NAUSEA AND VOMITING	23,317	5,327	84.7	1.123	(0.047)	0.985	(0.054)	1.153	(0.027)
807.00	FRACTURE RIB NOS-CLOSED	1,143	183	2.5	1.237	(0.234)	0.957	(0.198)	0.870	(0.109)
808.0	FRACTURE ACETABULUM-CLOS	7,175	1,230	12.2	1.290	(0.100)	0.891	(0.078)	0.951	(0.045)
808.41	FRACTURE OF ILIUM-CLOSED	1,368	217	0.7	1.109	(0.222)	0.882	(0.211)	0.956	(0.103)
808.42	FRACTURE ISCHIUM-CLOSED	2,762	405	12.4	0.767	(0.138)	0.899	(0.192)	0.952	(0.069)
808.8	PELVIC FRACTURE NOS-CLOS	8,781	1,470	5.5	1.080	(0.087)	0.820	(0.075)	1.028	(0.040)
812.20	FX HUMERUS NOS-CLOSED	2,886	452	5.7	1.346	(0.169)	0.861	(0.123)	0.990	(0.075)
820.20	TROCHANTERIC FX NOS-CLOS	11,794	2,271	7.7	1.058	(0.065)	1.017	(0.070)	1.052	(0.035)
821.21	FX FEMORAL CONDYLE-CLOSE	4,082	565	4.2	1.010	(0.119)	1.013	(0.130)	0.883	(0.059)
854.01	BRAIN INJURY NEC-NO COMA	4,034	583	11.7	1.102	(0.143)	0.748	(0.108)	0.920	(0.055)
873.42	OPEN WOUND OF FOREHEAD	1,889	278	4.1	0.712	(0.154)	1.143	(0.313)	0.976	(0.092)
959.6	HIP & THIGH INJURY NOS	1,456	257	5.6	0.719	(0.156)	0.991	(0.256)	1.011	(0.094)
959.8	INJURY MLT SITE/SITE NEC	1,328	175	34.8	3.346	(0.742)	0.327	(0.079)	0.850	(0.094)
969.4	POIS-BENZODIAZEPINE TRAN	7,061	828	17.1	1.314	(0.136)	0.791	(0.098)	0.871	(0.048)
977.9	POISON-MEDICINAL AGT NOS	1,753	178	13.9	1.855	(0.564)	0.420	(0.180)	0.884	(0.105)
995.2	ADV EFF MED/BIOL SUB NOS	19,924	3,994	32.9	1.116	(0.051)	1.047	(0.057)	1.051	(0.027)
996.1	MALFUNC VASC DEVICE/GRAF	12,474	2,830	68.8	1.289	(0.077)	0.985	(0.079)	1.118	(0.034)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
996.7 (88)	COMPLIC DEVICE/GRAFT NEC	18,522	3,457	2.4	1.081	(0.060)	0.960	(0.070)	1.004	(0.027)
996.7 (89)	COMPLIC DEVICE/GRAFT NEC	19,883	3,809	7.8	1.062	(0.055)	1.073	(0.073)	0.955	(0.025)
996.73(90)	COMP-REN DIALYS DEV/GRFT	10,409	2,316	8.8	1.039	(0.079)	0.927	(0.096)	1.095	(0.036)
996.76(90)	COMP-GENITOURIN DEV/GRFT	831	218	10.7	0.937	(0.203)	1.218	(0.403)	1.318	(0.173)
996.79(90)	COMP-INT PROST DEVIC NEC	1,094	195	3.9	1.472	(0.301)	0.730	(0.199)	1.074	(0.130)
997.3	SURG COMPLIC-RESPIR SYST	6,877	1,763	26.7	0.829	(0.076)	0.808	(0.101)	1.116	(0.041)
998.2	ACCIDENTAL OP LACERATION	3,841	752	18.9	1.525	(0.159)	0.666	(0.082)	0.934	(0.054)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
078.5	CYTOMEGAL INCLUSION DIS	1,008	248	84.6	2.001	(0.308)	1.048	(0.172)	1.770	(0.217)
135	SARCOIDOSIS	1,464	235	42.7	2.389	(0.393)	0.751	(0.140)	1.278	(0.143)
154.8	MAL NEO RECTUM/ANUS NEC	3,237	906	4.6	0.935	(0.100)	0.938	(0.138)	1.125	(0.066)
161.0	MALIGNANT NEO GLOTTIS	2,859	446	29.3	0.669	(0.108)	1.020	(0.200)	0.850	(0.063)
171.3	MAL NEO SOFT TISSUE LEG	1,949	439	24.1	0.699	(0.118)	1.980	(0.686)	1.155	(0.143)
172.5	MALIG MELANOMA TRUNK	1,633	386	34.1	1.672	(0.244)	0.880	(0.191)	1.251	(0.121)
173.5	MALIG NEO SKIN TRUNK	1,374	264	6.9	0.705	(0.113)	2.211	(0.655)	0.736	(0.146)
184.4	MALIGN NEOPL VULVA NOS	3,842	894	40.5	0.795	(0.094)	1.494	(0.329)	1.239	(0.094)
188.8	MALIG NEO BLADDER NEC	26,572	6,399	100.6	0.719	(0.029)	1.554	(0.106)	1.027	(0.028)
188.9	MALIG NEO BLADDER NOS	23,500	5,724	73.6	1.356	(0.051)	0.800	(0.041)	1.057	(0.025)
196.3	MAL NEO LYMPH-AXILLA/ARM	2,333	725	51.6	1.316	(0.159)	0.710	(0.103)	1.481	(0.082)
225.2	BEN NEO CEREBR MENINGES	9,211	1,609	161.4	1.618	(0.087)	1.182	(0.069)	0.844	(0.047)
244.9	HYPOTHYROIDISM NOS	5,051	1,140	61.6	1.325	(0.092)	1.148	(0.092)	1.048	(0.063)
250.80(89)	DIAB W MANIF NEC ADULT	3,911	654	9.7	0.719	(0.096)	1.115	(0.178)	0.997	(0.061)
250.80(90)	DIAB W MANIF NEC ADULT	3,754	569	4.7	0.791	(0.096)	1.303	(0.209)	0.914	(0.078)
250.81(90)	DIAB W MANIF NEC JUVEN	6,421	965	10.1	0.736	(0.078)	1.254	(0.184)	1.038	(0.064)
253.6	NEUROHYPOPHYSIS DIS NEC	6,311	1,337	2.7	1.005	(0.071)	1.095	(0.094)	0.995	(0.053)
255.4	CORTICOADRENAL INSUFFIC	3,154	675	7.2	1.021	(0.115)	0.917	(0.132)	1.191	(0.079)
276.6	FLUID OVERLOAD	3,372	973	34.3	0.778	(0.077)	1.126	(0.140)	1.312	(0.073)
281.3	MEGALOBLASTIC ANEMIA NEC	1,000	173	2.1	0.973	(0.188)	1.051	(0.218)	0.840	(0.114)
281.9	DEFICIENCY ANEMIA NOS	4,282	1,258	59.4	0.827	(0.075)	1.136	(0.141)	1.371	(0.069)
285.0	SIDEROBLASTIC ANEMIA	1,750	694	165.4	0.703	(0.120)	1.162	(0.309)	2.065	(0.130)
290.0	SENILE DEMENTIA UNCOMP	7,976	2,110	166.3	0.635	(0.048)	1.488	(0.146)	1.399	(0.056)
290.10	PRESENILE DEMENTIA	10,543	2,759	318.0	0.857	(0.053)	1.349	(0.106)	1.533	(0.053)
290.11	PRESENILE DELIRIUM	2,495	629	50.7	0.745	(0.090)	1.672	(0.275)	1.289	(0.106)
290.20	SENILE DELUSION	2,732	651	39.1	0.558	(0.077)	1.620	(0.310)	1.247	(0.093)
290.3	SENILE DELIRIUM	7,752	2,095	148.2	0.617	(0.044)	1.566	(0.145)	1.326	(0.054)
290.40	ARTERIOSCLER DEMENT NOS	6,640	1,961	294.9	0.819	(0.063)	1.337	(0.128)	1.677	(0.064)
290.41	ARTERIOSCLER DELIRIUM	3,085	868	65.0	0.795	(0.091)	1.268	(0.191)	1.442	(0.087)
291.2	ALCOHOLIC DEMENTIA NEC	1,718	286	5.1	0.917	(0.138)	1.089	(0.186)	0.816	(0.089)
293.0	ACUTE DELIRIUM	14,944	3,423	10.6	0.915	(0.045)	0.958	(0.055)	1.058	(0.031)
294.1	DEMENTIA IN OTH DISEASES	984	279	47.9	1.013	(0.192)	1.113	(0.231)	1.797	(0.175)
294.9	ORGANIC BRAIN SYND NOS	1,773	381	15.1	0.636	(0.105)	1.593	(0.366)	1.154	(0.119)
298.9	PSYCHOSIS NOS	20,370	4,503	69.4	0.941	(0.043)	0.973	(0.054)	1.222	(0.031)
300.9	NEUROTIC DISORDER NOS	4,914	1,245	33.9	1.133	(0.086)	1.090	(0.110)	1.154	(0.064)
310.1	ORGANIC PERSONALITY SYND	1,498	303	8.5	0.681	(0.126)	1.256	(0.266)	1.197	(0.118)
310.9	NONPSYCHOT BRAIN SYN NOS	10,069	2,738	107.3	0.949	(0.053)	1.148	(0.078)	1.291	(0.044)
331.0	ALZHEIMER'S DISEASE	7,946	2,175	216.2	1.315	(0.078)	1.100	(0.079)	1.366	(0.054)
331.4	OBSTRUCTIV HYDROCEPHALUS	5,826	1,152	50.6	0.951	(0.071)	1.680	(0.176)	0.955	(0.067)
331.9	CEREB DEGENERATION NOS	1,564	351	1.0	0.979	(0.151)	0.990	(0.189)	1.088	(0.102)
332.0	PARALYSIS AGITANS	18,170	3,400	32.8	0.878	(0.048)	1.008	(0.064)	1.154	(0.032)
333.0	DEGEN BASAL GANGLIA NEC	1,490	294	12.6	0.757	(0.160)	1.031	(0.263)	1.346	(0.121)
342.9	HEMIPLEGIA NOS	2,600	579	6.4	0.992	(0.127)	0.887	(0.139)	1.203	(0.084)
345.1 (89)	GEN CONVULSIVE EPILEPSY	6,898	1,321	5.7	1.130	(0.083)	0.896	(0.074)	1.080	(0.050)
345.10(90)	GEN CNV EPIL W/O INTR EP	5,951	1,072	4.0	1.027	(0.089)	0.878	(0.093)	1.118	(0.060)
345.11(90)	GEN CNV EPIL W INTR EPIL	677	103	2.6	1.241	(0.306)	0.974	(0.297)	1.140	(0.226)
345.5 (88)	PARTIAL EPILEPSY NEC	1,748	315	1.4	0.844	(0.132)	1.280	(0.288)	0.944	(0.117)
345.5 (89)	PARTIAL EPILEPSY NEC	1,698	327	5.2	0.728	(0.120)	1.278	(0.279)	1.089	(0.113)
345.91(90)	EPILEPSY NOS W INTR EPIL	596	85	2.4	0.698	(0.242)	1.296	(0.610)	1.205	(0.260)
356.8	IDIO PERIPH NEURPTHY NEC	1,136	282	38.3	1.138	(0.248)	0.813	(0.210)	1.732	(0.151)
358.0	MYASTHENIA GRAVIS	2,815	554	32.7	1.554	(0.174)	0.920	(0.129)	1.138	(0.091)
402.01	MAL HYPERT HRT DIS W CHF	2,290	427	9.5	0.841	(0.122)	0.901	(0.154)	0.963	(0.076)
403.0 (88)	MAL HYPERTENS RENAL DIS	530	119	7.0	1.179	(0.291)	1.187	(0.366)	1.207	(0.210)
403.0 (89)	MAL HYPERTENS RENAL DIS	650	124	1.9	0.993	(0.245)	1.159	(0.306)	1.111	(0.164)
403.01(90)	MAL HYP REN W RENAL FAIL	696	136	17.9	1.380	(0.305)	0.976	(0.213)	1.564	(0.224)
437.0	CEREBRAL ATHEROSCLEROSIS	6,276	1,286	10.1	1.109	(0.090)	0.764	(0.070)	1.043	(0.046)
437.1	AC CEREBROVASC INSUF NOS	10,227	2,045	32.4	1.094	(0.068)	0.763	(0.055)	0.956	(0.035)
440.1	RENAL ARTERY ATHEROSCLER	3,744	474	44.8	0.990	(0.117)	0.950	(0.121)	0.667	(0.054)
442.81	ANEURYSM OF NECK	1,033	140	12.1	1.790	(0.370)	0.818	(0.211)	0.741	(0.137)
443.9	PERIPH VASCULAR DIS NOS	29,362	5,872	229.7	1.472	(0.047)	0.989	(0.037)	0.899	(0.023)
491.1	MUCOPURUL CHR BRONCHITIS	1,822	402	11.8	0.649	(0.107)	1.132	(0.230)	1.139	(0.094)
491.2	OBSTRUCT CHR BRONCHITIS	26,781	5,755	77.7	1.085	(0.041)	0.858	(0.037)	1.208	(0.025)
493.20(90)	CH OB ASTH W/O STAT ASTH	9,188	1,331	42.0	0.722	(0.060)	1.006	(0.094)	0.953	(0.042)
493.21(90)	CH OB ASTHMA W STAT ASTH	4,452	656	14.6	0.753	(0.096)	0.943	(0.140)	1.051	(0.063)
494	BRONCHIECTASIS	6,619	1,202	5.6	0.890	(0.078)	0.956	(0.101)	1.063	(0.050)
518.89(90)	OTHER LUNG DISEASE NEC	2,554	574	36.1	1.367	(0.177)	0.654	(0.099)	1.469	(0.093)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

3-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
519.1	TRACHEA/BRONCHUS DIS NEC	13,383	2,818	11.6	0.940	(0.047)	0.997	(0.057)	0.940	(0.031)
530.0	ACHALASIA & CARDIOSPASM	2,685	426	18.6	0.650	(0.090)	1.361	(0.228)	0.825	(0.075)
530.2	ULCER OF ESOPHAGUS	11,319	1,971	37.0	0.897	(0.056)	0.942	(0.067)	0.894	(0.035)
530.3	ESOPHAGEAL STRICTURE	12,866	2,953	13.1	1.095	(0.052)	1.007	(0.057)	1.044	(0.035)
531.41	CHR STOM ULC W HEM-OBSTR	1,117	202	8.1	1.260	(0.215)	0.948	(0.212)	0.729	(0.117)
536.2	PERSISTENT VOMITING	3,915	1,037	18.3	1.048	(0.082)	1.168	(0.122)	1.092	(0.074)
558.1	RADIATION GASTROENTERIT	2,469	754	42.9	0.506	(0.062)	1.759	(0.364)	1.134	(0.099)
564.8	FUNCT DIS INTESTINE NEC	3,094	743	20.8	1.031	(0.103)	1.259	(0.167)	1.106	(0.082)
569.49	RECTAL & ANAL DIS NEC	2,578	505	14.3	0.741	(0.093)	1.215	(0.219)	0.843	(0.078)
569.82	ULCERATION OF INTESTINE	1,633	288	9.0	1.128	(0.161)	0.923	(0.149)	0.769	(0.085)
574.21	CHOLELITHIAS NOS W OBSTR	1,903	348	17.9	1.238	(0.162)	0.805	(0.122)	0.753	(0.075)
577.2	PANCREAT CYST/PSEUDOCYST	1,725	365	19.2	1.328	(0.154)	1.213	(0.158)	0.920	(0.107)
577.8	PANCREATIC DISEASE NEC	1,233	287	26.6	0.831	(0.140)	1.904	(0.538)	1.205	(0.189)
581.9	NEPHROTIC SYNDROME NOS	2,190	530	40.5	0.836	(0.102)	1.612	(0.274)	1.259	(0.116)
588.8	IMPAIRED RENAL FUNCT NEC	2,233	385	5.0	1.238	(0.194)	0.718	(0.132)	1.159	(0.090)
619.1	DIGEST-GENIT FISTUL, FEM	2,849	681	82.8	1.382	(0.116)	1.522	(0.206)	0.979	(0.115)
682.1	CELLULITIS OF NECK	1,690	285	5.9	0.913	(0.126)	1.386	(0.257)	0.735	(0.109)
682.2	CELLULITIS OF TRUNK	10,784	1,915	29.2	0.808	(0.048)	1.246	(0.094)	0.850	(0.040)
682.5	CELLULITIS OF BUTTOCK	2,462	500	16.0	1.091	(0.125)	1.283	(0.195)	1.058	(0.099)
682.9	CELLULITIS NOS	1,310	229	3.4	0.875	(0.172)	1.030	(0.276)	0.881	(0.111)
694.5	PEMPHIGOID	1,304	500	158.2	1.028	(0.146)	1.411	(0.244)	2.082	(0.168)
695.89	ERYTHEMATOUS COND NEC	1,142	225	0.7	0.923	(0.164)	1.190	(0.272)	0.921	(0.122)
707.1	CHRONIC ULCER OF LEG	37,122	7,170	61.3	0.812	(0.028)	1.313	(0.057)	1.011	(0.022)
707.8	CHRONIC SKIN ULCER NEC	2,232	522	40.4	1.084	(0.124)	1.507	(0.256)	1.160	(0.117)
710.0	SYST LUPUS ERYTHEMATOSUS	4,686	872	121.5	1.546	(0.123)	1.201	(0.108)	1.197	(0.083)
710.4	POLYMYOSITIS	1,323	347	103.5	1.648	(0.227)	1.204	(0.181)	1.728	(0.168)
733.90	BONE & CARTILAGE DIS NOS	1,445	283	1.6	1.040	(0.157)	1.187	(0.246)	0.908	(0.116)
780.3	CONVULSIONS	72,412	13,994	42.9	1.022	(0.024)	0.860	(0.024)	1.067	(0.015)
782.3	EDEMA	4,130	954	3.8	0.884	(0.080)	1.111	(0.124)	1.064	(0.063)
783.2	ABNORMAL LOSS OF WEIGHT	3,622	733	11.7	0.891	(0.109)	1.093	(0.166)	1.180	(0.071)
784.2	SWELLING IN HEAD & NECK	1,145	234	19.4	0.997	(0.236)	0.892	(0.278)	1.538	(0.154)
820.00	FX FEMUR INTRCAPS NOS-CL	11,582	2,074	61.5	0.934	(0.052)	0.964	(0.060)	0.813	(0.032)
820.02	FX FEMUR, MIDCERVIC-CLOS	10,690	1,925	66.0	0.982	(0.057)	0.903	(0.059)	0.809	(0.033)
820.03	FX BASE FEMORAL NCK-CLOS	11,945	2,536	24.8	1.134	(0.054)	0.897	(0.046)	0.886	(0.032)
820.09	FX FEMUR INTRCAPS NEC-CL	124,164	22,715	676.1	0.932	(0.015)	1.015	(0.019)	0.787	(0.010)
820.8	FX NECK OF FEMUR NOS-CL	78,915	15,441	365.9	1.243	(0.024)	0.853	(0.018)	0.828	(0.012)
821.01	FX FEMUR SHAFT-CLOSED	10,720	2,164	18.1	1.137	(0.058)	1.015	(0.059)	0.871	(0.037)
821.20	FX LOW END FEMUR NOS-CL	5,706	1,185	14.7	1.324	(0.104)	0.773	(0.071)	1.093	(0.054)
821.23	SUPRACONDYL FX FEMUR-CL	11,808	2,136	7.0	0.912	(0.053)	1.028	(0.067)	0.955	(0.037)
854.00	BRAIN INJURY NEC	4,555	781	47.1	1.466	(0.142)	0.599	(0.066)	0.852	(0.049)
967.0	POISONING-BARBITURATES	1,378	151	31.4	2.469	(0.468)	0.384	(0.065)	0.807	(0.097)
996.59(88)	MALFUNC OTH DEVICE/GRAFT	1,972	412	20.7	0.675	(0.078)	2.159	(0.394)	0.712	(0.112)
996.59(89)	MALFUNC OTH DEVICE/GRAFT	2,029	476	15.1	0.633	(0.087)	1.685	(0.357)	1.057	(0.107)
996.59(90)	MALFUNC OTH DEVICE/GRAFT	2,107	507	14.0	0.893	(0.100)	1.503	(0.264)	1.047	(0.128)
996.6 (88)	INFEC/INFLAM-DEVIC/GRAFT	10,821	2,346	3.2	0.923	(0.052)	1.063	(0.076)	0.967	(0.037)
996.6 (89)	INFEC/INFLAM-DEVIC/GRAFT	11,706	2,631	5.4	0.889	(0.048)	1.150	(0.082)	0.972	(0.036)
996.61(90)	REACT-CARDIAC DEV/GRAFT	1,076	203	11.4	1.089	(0.174)	0.865	(0.143)	0.725	(0.096)
996.62(90)	REACT-OTH VASC DEV/GRAFT	4,624	1,273	21.4	0.836	(0.063)	1.478	(0.186)	1.014	(0.076)
996.74(90)	COMP-OTH VASC DEV/GRAFT	7,411	1,212	79.2	1.220	(0.097)	0.654	(0.063)	0.817	(0.041)
997.4	SURG COMPLIC-GI TRACT	14,154	2,852	12.4	0.993	(0.049)	0.976	(0.059)	0.919	(0.033)
997.62	INFECTION AMPUTAT STUMP	5,505	1,391	23.6	1.123	(0.076)	1.207	(0.107)	0.961	(0.057)
997.69	LATE AMPUTAT COMPLIC NEC	2,361	529	9.6	0.939	(0.135)	1.070	(0.208)	1.201	(0.092)
998.6	PERSIST POSTOP FISTULA	2,807	520	8.4	0.917	(0.098)	1.358	(0.191)	0.781	(0.080)
999.3	INFEC COMPL MED CARE NEC	916	266	7.7	0.649	(0.121)	1.522	(0.532)	1.110	(0.173)
OTHER	IMPUTED ESTIMATE	126,401	21,786	211.1*	1.032	(0.019)	0.901	(0.020)	0.903	(0.011)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-0

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		PERSISTENCE		LONG TERM	
OTHER	IMPUTED ESTIMATE	127,509	39,664	0.0*	1.000	(0.011)	1.000	(0.014)	1.000	(0.010)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
152.2	MALIGNANT NEOPLASM ILEUM	1,085	334	6.5	0.916	(0.120)	1.147	(0.190)	0.775	(0.093)
153.1	MAL NEO TRANSVERSE COLON	14,000	3,705	26.1	0.857	(0.035)	1.265	(0.063)	0.976	(0.032)
153.7	MAL NEO SPLENIC FLEXURE	4,661	1,270	16.9	0.867	(0.061)	1.380	(0.127)	0.961	(0.058)
250.11(90)	DIAB KETOACIDOSIS JUVEN	5,576	934	100.2	2.003	(0.170)	0.618	(0.059)	1.390	(0.074)
276.1	HYPOSMOLALITY	50,238	9,870	82.6	0.955	(0.024)	1.117	(0.033)	1.098	(0.019)
286.5	CIRCULATING ANTICOAG DIS	2,606	525	1.6	1.011	(0.120)	0.892	(0.124)	1.082	(0.080)
410.42(90)	AMI INFERIOR WALL,SUBSEQ	499	85	26.2	1.810	(0.438)	0.550	(0.148)	0.508	(0.128)
411.0	POST MI SYNDROME	2,907	403	166.9	0.561	(0.061)	1.219	(0.140)	0.458	(0.046)
423.9	PERICARDIAL DISEASE NOS	5,992	1,158	5.7	1.112	(0.089)	0.812	(0.079)	1.104	(0.056)
424.1	AORTIC VALVE DISORDER	36,835	6,647	64.9	1.091	(0.030)	1.077	(0.033)	0.888	(0.021)
426.0	ATRIOVENT BLOCK COMPLETE	41,039	7,255	724.0	1.388	(0.044)	0.492	(0.017)	0.927	(0.016)
427.1	PAROX VENTRIC TACHYCARD	48,623	11,161	291.1	1.367	(0.034)	0.710	(0.019)	1.242	(0.019)
427.9	CARDIAC DYSRHYTHMIA NOS	20,490	3,270	376.3	1.573	(0.078)	0.414	(0.022)	0.968	(0.024)
429.2	ASCVD	5,077	911	85.8	2.110	(0.176)	0.507	(0.047)	0.990	(0.056)
480.9	VIRAL PNEUMONIA NOS	11,809	2,050	102.8	1.282	(0.057)	0.907	(0.039)	0.717	(0.031)
482.2	H.INFLUENZAE PNEUMONIA	40,364	8,766	7.3	1.012	(0.026)	1.013	(0.028)	1.032	(0.019)
487.0	INFLUENZA WITH PNEUMONIA	7,174	1,320	160.5	1.855	(0.104)	0.622	(0.033)	0.765	(0.039)
532.00	AC DUODENAL ULCER W HEM	28,816	4,595	93.2	1.064	(0.036)	0.901	(0.032)	0.834	(0.022)
533.00	AC PEPTIC ULCER W HEMORR	3,831	774	51.1	1.864	(0.162)	0.580	(0.054)	1.137	(0.066)
533.40	CHR PEPTIC ULCER W HEM	8,663	1,759	41.1	1.394	(0.086)	0.697	(0.049)	1.187	(0.046)
537.89	GASTRODUODENAL DIS NEC	3,501	728	12.8	0.836	(0.086)	1.003	(0.118)	1.199	(0.072)
552.8	HERNIA, SITE NEC W OBSTR	2,883	459	36.1	1.352	(0.124)	0.855	(0.071)	0.665	(0.059)
557.1	CHR VASC INSUFF INTEST	11,511	2,529	33.1	0.890	(0.043)	1.194	(0.065)	1.107	(0.039)
560.1	PARALYTIC ILEUS	32,130	7,546	190.2	0.951	(0.029)	1.085	(0.038)	1.250	(0.025)
569.3	RECTAL & ANAL HEMORRHAGE	14,772	3,260	47.5	1.108	(0.055)	0.772	(0.047)	1.232	(0.035)
576.1	CHOLANGITIS	8,298	2,034	5.4	1.005	(0.053)	1.065	(0.067)	1.035	(0.044)
577.0	ACUTE PANCREATITIS	69,145	9,516	587.4	1.133	(0.026)	0.863	(0.021)	0.713	(0.013)
578.1	MELENA	37,962	8,438	176.6	1.301	(0.038)	0.740	(0.025)	1.224	(0.022)
599.6	URINARY OBSTRUCTION NOS	5,176	1,371	34.6	0.679	(0.051)	1.218	(0.122)	1.049	(0.053)
728.89	MUSCLE/LIGAMENT DIS NEC	2,383	381	13.2	1.406	(0.156)	0.803	(0.089)	0.851	(0.078)
780.9	GENERAL SYMPTOMS NEC	3,721	503	98.1	2.590	(0.277)	0.354	(0.041)	0.939	(0.068)
790.7	BACTEREMIA NOS	1,219	300	7.2	1.357	(0.215)	0.607	(0.113)	1.141	(0.104)
807.09	FX MULT RIBS NOS-CLOSED	4,166	796	10.7	1.208	(0.097)	0.982	(0.082)	1.038	(0.066)
808.43	PELV FX-CLOS/PELV DISRUP	1,217	196	17.2	1.709	(0.266)	0.623	(0.096)	0.818	(0.101)
820.21	INTERTROCHANTERIC FX-CL	212,693	45,182	657.2	0.791	(0.009)	1.331	(0.017)	0.987	(0.009)
820.22	SUBTROCHANTERIC FX-CLOSE	14,465	2,871	49.0	0.805	(0.035)	1.397	(0.068)	0.913	(0.035)
820.31	INTERTROCHANTERIC FX-OPN	1,470	334	8.0	0.828	(0.108)	1.343	(0.199)	1.091	(0.115)
854.06	BRAIN INJ NEC-COMA NOS	1,480	219	16.6	1.914	(0.301)	0.588	(0.093)	0.978	(0.108)
860.0	TRAUM PNEUMOTHORAX-CLOSE	4,748	783	14.9	1.298	(0.106)	0.896	(0.079)	0.889	(0.059)
860.2	TRAUM HEMOTHORAX-CLOSED	1,706	330	19.0	1.757	(0.218)	0.658	(0.082)	1.055	(0.097)
965.1	POISONING-SALICYLATES	2,230	301	83.4	4.535	(0.829)	0.191	(0.040)	1.133	(0.094)
987.9	TOXIC EFF GAS/VAPOR NOS	1,756	322	9.5	1.237	(0.187)	0.648	(0.105)	1.220	(0.101)
996.03	MALFUNC CORON BYPASS GRF	10,286	1,174	191.9	1.389	(0.091)	0.642	(0.040)	0.651	(0.032)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
038.42	E COLI SEPTICEMIA	51,503	13,883	146.2	1.033	(0.020)	0.855	(0.018)	0.954	(0.015)
049.9	VIRAL ENCEPHALITIS NOS	942	179	10.2	0.856	(0.124)	1.592	(0.267)	0.627	(0.140)
054.3	HERPETIC ENCEPHALITIS	915	266	39.4	1.258	(0.144)	1.423	(0.167)	0.957	(0.145)
070.1	HEPATITIS A W/O COMA	1,111	164	8.9	0.873	(0.138)	1.032	(0.161)	0.712	(0.106)
070.3	HEPATITIS B W/O COMA	1,142	277	20.3	1.088	(0.126)	1.400	(0.186)	0.977	(0.148)
148.1	MAL NEO PYRIFORM SINUS	1,104	449	171.1	0.440	(0.032)	26.986	(8.673)	0.000	(.)
154.0	MAL NEO RECTOSIGMOID JCT	26,272	7,670	66.5	0.853	(0.025)	1.068	(0.040)	1.122	(0.024)
191.8	MALIG NEO BRAIN NEC	2,085	1,765	4828.8	1.714	(0.060)	41.766	(9.653)	1.000	(.)
193	MALIGN NEOPL THYROID	5,061	991	28.0	0.829	(0.059)	1.465	(0.140)	0.701	(0.058)
225.0	BENIGN NEOPLASM BRAIN	1,131	264	78.6	0.847	(0.108)	2.508	(0.431)	1.149	(0.238)
250.11(89)	DIAB KETOACIDOSIS JUVEN	5,692	1,048	22.2	1.185	(0.099)	0.676	(0.063)	1.127	(0.055)
250.40(90)	DIAB RENAL MANIF ADULT	909	264	27.9	0.498	(0.073)	1.755	(0.320)	1.122	(0.147)
276.9	ELECTROLYT/FLUID DIS NEC	10,316	2,520	70.1	0.700	(0.033)	1.222	(0.068)	0.955	(0.037)
283.0	AUTOIMMUN HEMOLYTIC ANEM	2,752	776	21.8	0.681	(0.057)	1.483	(0.156)	0.932	(0.073)
286.7	ACQ COAGUL FACTOR DEFIC	1,180	302	4.3	0.893	(0.118)	0.918	(0.133)	1.015	(0.105)
286.9	COAGULAT DEFECT NEC/NOS	1,377	357	1.3	0.936	(0.116)	0.963	(0.142)	1.079	(0.111)
287.3	PRIMARY THROMBOCYTOPENIA	4,912	1,134	60.1	0.783	(0.049)	1.651	(0.122)	0.956	(0.066)
322.9	MENINGITIS NOS	1,910	385	86.4	1.968	(0.171)	0.991	(0.084)	0.716	(0.095)
394.0	MITRAL STENOSIS	3,109	537	21.5	0.942	(0.081)	1.377	(0.123)	0.740	(0.075)
394.2	MITRAL STENOSIS W INSUFF	1,760	308	4.8	0.942	(0.112)	1.271	(0.171)	0.790	(0.108)
396.0	MITRAL/AORTIC STENOSIS	1,211	350	66.5	1.267	(0.123)	1.522	(0.150)	0.959	(0.134)
396.2	MITRAL INSUF/AORT STENOS	2,853	818	37.7	1.228	(0.089)	1.091	(0.083)	1.118	(0.079)
396.3	MITRAL/AORTIC VAL INSUFF	2,074	410	10.2	0.869	(0.088)	1.332	(0.140)	0.784	(0.084)
396.8	MITR/AORTIC MULT INVOLV	2,401	587	34.1	1.118	(0.092)	1.291	(0.108)	0.969	(0.088)
410.12(90)	AMI ANTERIOR WALL,SUBSEQ	531	111	25.7	1.569	(0.284)	0.557	(0.096)	0.604	(0.115)
410.7 (88)	SUBENDOCARDIAL INFARCT	41,032	10,927	70.8	1.020	(0.023)	0.864	(0.021)	1.053	(0.017)
410.7 (89)	SUBENDOCARDIAL INFARCT	43,389	11,519	42.5	1.047	(0.022)	0.881	(0.020)	1.022	(0.016)
410.71(90)	SUBENDO INFARCT, INITIAL	47,304	11,636	74.6	1.083	(0.023)	0.837	(0.019)	1.046	(0.018)
410.72(90)	SUBENDO INFARCT, SUBSEQ	399	76	11.8	1.809	(0.643)	0.401	(0.179)	0.795	(0.184)
421.0	AC/SUBAC BACT ENDOCARD	7,962	2,727	505.1	1.054	(0.038)	1.707	(0.068)	1.073	(0.053)
437.3	NONRUPT CEREBRAL ANEURYM	2,538	490	49.4	1.145	(0.108)	1.380	(0.136)	1.091	(0.103)
440.0	AORTIC ATHEROSCLEROSIS	2,917	427	11.1	1.198	(0.121)	1.045	(0.109)	0.808	(0.080)
440.2	ATHEROSCLEROS-EXTREMITY	60,873	14,217	1130.0	0.672	(0.013)	1.796	(0.043)	1.127	(0.020)
440.9	ATHEROSCLEROSIS NOS	1,519	384	23.9	1.648	(0.182)	0.772	(0.092)	1.140	(0.110)
441.4	ABDOM AORTIC ANEURYSM	62,538	9,622	481.1	1.272	(0.027)	0.926	(0.019)	0.719	(0.014)
443.89	PERIPH VASCULAR DIS NEC	1,824	418	23.0	0.885	(0.096)	1.453	(0.172)	1.127	(0.110)
444.0	ABD AORTIC EMBOLISM	8,777	1,784	779.8	3.585	(0.163)	0.573	(0.026)	0.943	(0.048)
444.22	LOWER EXTREMITY EMBOLISM	78,594	16,422	52.8	0.934	(0.017)	1.069	(0.022)	1.067	(0.015)
444.81	ILIAC ARTERY EMBOLISM	8,855	1,611	19.4	1.258	(0.078)	0.786	(0.055)	1.136	(0.048)
444.89	ARTERIAL EMBOLISM NEC	1,141	255	2.4	0.876	(0.115)	1.241	(0.173)	0.926	(0.117)
481	PNEUMOCOCCAL PNEUMONIA	60,141	16,341	193.5	1.250	(0.022)	0.780	(0.015)	1.026	(0.015)
482.3	STREPTOCOCCAL PNEUMONIA	36,797	10,088	25.5	1.111	(0.024)	0.907	(0.021)	1.037	(0.019)
483	PNEUMONIA: ORGANISM NEC	11,335	2,189	93.5	0.852	(0.039)	1.035	(0.049)	0.758	(0.032)
532.41	CHR DUODEN ULC HEM-OBSTR	997	183	26.6	0.564	(0.084)	1.621	(0.280)	0.567	(0.108)
537.0	ACQ PYLORIC STENOSIS	8,668	2,278	65.6	0.810	(0.038)	1.348	(0.069)	1.120	(0.049)
550.00	UNILAT ING HERNIA W GANG	990	217	18.2	1.324	(0.168)	0.965	(0.121)	0.616	(0.097)
551.00	UNIL FEMORAL HERN W GANG	1,385	238	57.3	0.708	(0.087)	1.178	(0.140)	0.460	(0.068)
551.21	GANGR INCISIONAL HERNIA	971	132	16.0	0.873	(0.159)	1.021	(0.198)	0.582	(0.108)
552.3	DIAPHRAGM HERNIA W OBSTR	3,105	485	78.4	0.696	(0.065)	1.147	(0.112)	0.580	(0.056)
560.31	GALLSTONE ILEUS	1,231	225	46.5	0.756	(0.093)	1.150	(0.132)	0.481	(0.070)
560.9	INTESTINAL OBSTRUCT NOS	83,021	19,849	457.2	1.094	(0.018)	0.763	(0.014)	0.946	(0.012)
568.89	PERITONEAL DISORDER NEC	932	202	28.8	2.189	(0.315)	0.550	(0.084)	0.922	(0.126)
569.5	INTESTINAL ABSCESS	1,908	392	35.0	1.013	(0.094)	1.471	(0.134)	0.650	(0.083)
569.89	INTESTINAL DISORDERS NEC	2,947	593	10.2	0.807	(0.079)	1.020	(0.111)	0.986	(0.071)
572.0	ABSCESS OF LIVER	2,003	460	47.7	0.721	(0.060)	1.787	(0.168)	0.504	(0.081)
573.3	HEPATITIS NOS	4,118	760	23.3	0.720	(0.058)	1.249	(0.115)	0.847	(0.062)
590.2	RENAL/PERIRENAL ABSCESS	1,481	274	25.0	0.622	(0.076)	1.651	(0.222)	0.637	(0.095)
593.81	RENAL VASCULAR DISORDER	2,056	410	15.6	0.681	(0.075)	1.259	(0.147)	0.880	(0.083)
596.1	INTESTINOVESICAL FISTULA	2,426	593	54.7	0.834	(0.066)	1.868	(0.175)	0.761	(0.091)
695.1	ERYTHEMA MULTIFORME	1,872	417	5.5	0.823	(0.085)	1.245	(0.135)	0.874	(0.088)
805.02	FX C2 VERTEBRA-CLOSED	1,951	371	14.6	0.875	(0.096)	1.031	(0.117)	0.754	(0.076)
821.00	FX FEMUR NOS-CLOSED	4,221	1,006	27.7	0.713	(0.053)	1.172	(0.098)	0.962	(0.057)
851.80	BRAIN LACERATION NEC	989	265	11.9	1.069	(0.130)	1.323	(0.175)	0.877	(0.126)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
851.81	BRAIN LACER NEC W/O COMA	997	212	10.7	0.650	(0.096)	1.412	(0.225)	0.797	(0.113)
852.21	SUBDURAL HEM W/O COMA	4,413	1,196	49.8	1.132	(0.063)	1.217	(0.070)	0.805	(0.055)
860.4	TRAUM PNEUMOHEMOTHOR-CL	1,562	284	34.6	1.325	(0.139)	0.912	(0.083)	0.546	(0.071)
861.21	LUNG CONTUSION-CLOSED	1,951	342	11.6	0.803	(0.091)	1.226	(0.146)	0.739	(0.082)
946.2	2ND DEG BURN MULT SITE	1,006	125	18.3	0.770	(0.142)	1.235	(0.255)	0.496	(0.113)
992.0	HEAT STROKE & SUNSTROKE	1,588	331	5.4	1.120	(0.165)	0.841	(0.141)	0.884	(0.079)
996.02	MALFUNC PROSTH HRT VALVE	3,320	773	109.5	1.587	(0.109)	1.107	(0.077)	0.950	(0.078)
996.71(90)	COMP-HEART VALVE PROSTH	347	85	6.1	1.184	(0.271)	1.183	(0.302)	1.206	(0.289)
997.0	SURG COMPLICATION-CNS	987	179	2.9	1.155	(0.182)	1.015	(0.176)	0.831	(0.131)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
V55.1	ATTEN TO GASTROSTOMY	983	404	34.6	0.685	(0.129)	1.162	(0.311)	1.505	(0.119)
141.0	MAL NEO TONGUE BASE	1,973	832	72.2	0.787	(0.098)	1.388	(0.287)	1.453	(0.097)
154.1	MALIGNANT NEOPL RECTUM	31,715	8,499	225.1	0.765	(0.024)	1.146	(0.045)	0.856	(0.016)
161.8	MALIGNANT NEO LARYNX NEC	2,111	720	41.3	0.833	(0.090)	1.536	(0.234)	1.231	(0.087)
180.9	MAL NEO CERVIX UTERI NOS	3,584	1,278	120.5	1.349	(0.106)	1.043	(0.117)	1.371	(0.070)
184.0	MALIGN NEOPL VAGINA	1,365	475	39.6	1.085	(0.170)	0.813	(0.159)	1.546	(0.102)
196.0	MAL NEO LYMPH-HEAD/NECK	4,281	1,790	100.7	1.014	(0.070)	1.231	(0.121)	1.298	(0.056)
196.5	MAL NEO LYMPH-INGUIN/LEG	1,242	535	64.8	0.644	(0.124)	0.994	(0.269)	1.656	(0.104)
238.4	POLYCYTHEMIA VERA	1,307	271	11.8	1.305	(0.194)	0.747	(0.112)	0.815	(0.077)
250.11(88)	DIAB KETOACIDOSIS JUVEN	5,720	1,083	107.2	2.016	(0.171)	0.485	(0.047)	0.858	(0.041)
250.40(88)	DIAB RENAL MANIF ADULT	783	280	19.7	0.858	(0.151)	1.490	(0.363)	1.288	(0.139)
250.41(90)	DIAB RENAL MANIF JUVEN	1,949	513	11.0	1.011	(0.123)	1.114	(0.157)	1.175	(0.085)
251.0	HYPOGLYCEMIC COMA	15,135	4,111	49.3	0.748	(0.033)	1.220	(0.064)	0.965	(0.025)
276.3	ALKALOSIS	955	242	11.1	1.201	(0.198)	0.667	(0.117)	0.886	(0.088)
276.7	HYPERPOTASSEMIA	9,706	3,389	22.4	0.999	(0.051)	0.825	(0.054)	1.039	(0.029)
285.1	AC POSTHEMORRHAG ANEMIA	9,536	2,693	26.6	0.811	(0.041)	1.166	(0.071)	0.918	(0.032)
285.9	ANEMIA NOS	30,097	12,734	658.9	0.786	(0.020)	1.341	(0.047)	1.323	(0.022)
287.4	SECOND THROMBOCYTOPENIA	2,758	819	8.5	0.972	(0.087)	0.904	(0.097)	0.923	(0.056)
288.0	AGRANULOCYTOSIS	9,669	4,547	380.4	0.435	(0.023)	1.688	(0.181)	1.055	(0.038)
289.9	BLOOD DISEASE NOS	1,065	417	9.2	0.839	(0.110)	1.310	(0.232)	1.150	(0.107)
293.9	TRANSIENT ORG MENTAL NOS	1,428	336	12.5	0.973	(0.140)	0.850	(0.127)	0.839	(0.071)
349.82	TOXIC ENCEPHALOPATHY	4,335	1,136	11.1	0.862	(0.064)	1.195	(0.104)	0.866	(0.047)
402.11	BENIGN HYP HRT DIS W CHF	4,812	1,421	24.0	0.716	(0.052)	1.255	(0.110)	1.030	(0.047)
402.91	HYPERTEN HEART DIS W CHF	54,552	15,128	226.3	0.769	(0.018)	1.048	(0.029)	1.056	(0.014)
404.92(90)	HY HT/REN NOS W REN FAIL	511	161	20.3	1.369	(0.323)	0.900	(0.250)	1.594	(0.201)
410.70(90)	SUBENDO INFARCT, UNSPEC	987	236	8.4	1.188	(0.184)	0.766	(0.137)	0.838	(0.103)
437.8	CEREBROVASC DISEASE NEC	1,239	274	6.4	0.918	(0.167)	0.960	(0.231)	0.850	(0.092)
438	LATE EFF CEREBROVASC DIS	1,039	325	5.3	1.124	(0.169)	1.034	(0.196)	1.124	(0.111)
444.21	UPPER EXTREMITY EMBOLISM	6,269	1,534	63.3	1.027	(0.072)	0.742	(0.059)	0.890	(0.035)
458.9	HYPOTENSION NOS	17,271	4,438	764.4	2.670	(0.112)	0.331	(0.016)	0.884	(0.021)
459.89	CIRCULATORY DISEASE NEC	1,407	361	2.1	1.090	(0.152)	1.081	(0.187)	0.980	(0.093)
496	CHR AIRWAY OBSTRUCT NEC	105,947	31,831	1113.4	1.106	(0.016)	1.121	(0.019)	1.193	(0.011)
512.8	SPONT PNEUMOTHORAX NEC	14,514	4,062	33.8	1.073	(0.040)	1.096	(0.047)	0.874	(0.026)
518.89(88)	OTHER LUNG DISEASE NEC	2,930	713	5.7	0.896	(0.096)	0.917	(0.109)	1.030	(0.058)
518.89(89)	OTHER LUNG DISEASE NEC	2,550	617	1.1	0.975	(0.105)	1.017	(0.120)	0.945	(0.060)
519.8	RESP SYSTEM DISEASE NEC	5,936	1,404	60.3	0.773	(0.056)	1.011	(0.085)	0.851	(0.038)
528.0	STOMATITIS	914	392	31.7	0.421	(0.076)	1.949	(0.733)	1.133	(0.146)
530.8	ESOPHAGEAL DISORDER NEC	2,802	758	13.0	1.258	(0.105)	0.967	(0.090)	0.869	(0.058)
560.39	IMPACTION INTESTINE NEC	26,472	7,151	127.1	0.762	(0.026)	1.072	(0.045)	0.960	(0.019)
578.9	GASTROINTEST HEMORR NOS	138,986	36,896	2723.5	1.741	(0.023)	0.580	(0.009)	0.854	(0.007)
580.9	ACUTE NEPHRITIS NOS	1,142	384	4.8	1.073	(0.133)	1.152	(0.172)	1.012	(0.095)
593.9	RENAL & URETERAL DIS NOS	4,631	1,296	12.5	1.074	(0.075)	1.126	(0.090)	1.010	(0.049)
599.0	URIN TRACT INFECTION NOS	272,363	85,464	356.5	0.865	(0.008)	1.209	(0.013)	0.988	(0.006)
786.09	RESPIRATORY ABNORM NEC	12,386	3,038	89.6	1.205	(0.054)	0.833	(0.044)	0.814	(0.026)
786.3	HEMOPTYSIS	8,049	1,864	128.2	1.641	(0.110)	0.476	(0.038)	0.925	(0.033)
788.9	URINARY SYS SYMPTOM NEC	995	368	7.0	1.111	(0.149)	1.015	(0.170)	1.170	(0.107)
790.6	ABN BLOOD CHEMISTRY NEC	2,515	659	19.8	1.436	(0.147)	0.695	(0.086)	0.898	(0.059)
867.0	BLADDER/URETHRA INJ-CLOS	1,507	472	12.7	0.668	(0.090)	1.198	(0.205)	0.990	(0.078)
965.4	POIS-AROM ANALGESICS NEC	936	143	33.2	3.245	(0.766)	0.281	(0.071)	0.824	(0.100)
972.1	POISONING-CARDIOTONICS	6,218	1,743	138.5	0.557	(0.040)	1.170	(0.099)	0.924	(0.035)
974.1	POIS-PURINE DIURETICS	1,853	538	3.0	1.175	(0.141)	0.807	(0.116)	1.090	(0.075)
975.7	POISONING-ANTIASTHMATICS	1,100	305	0.7	0.928	(0.140)	1.037	(0.174)	1.062	(0.098)
996.64(90)	REACT-INDWELL URIN CATH	1,363	447	25.6	0.525	(0.074)	1.662	(0.313)	1.088	(0.100)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

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ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
011.90	PULMONARY TB NOS-UNSPEC	2,424	712	55.9	1.017	(0.076)	0.967	(0.079)	0.617	(0.052)
011.93	PULMON TB NOS-MICRO DX	1,088	355	9.9	0.897	(0.102)	1.131	(0.149)	0.733	(0.090)
150.4	MAL NEO MIDDLE 3RD ESOPH	1,885	1,449	913.0	0.898	(0.065)	3.778	(0.870)	2.531	(0.331)
151.0	MAL NEO STOMACH CARDIA	5,157	3,429	638.5	0.934	(0.043)	1.646	(0.155)	1.701	(0.085)
151.1	MALIGNANT NEO PYLORUS	955	494	26.7	0.592	(0.059)	2.438	(0.576)	0.765	(0.172)
151.2	MAL NEO PYLORIC ANTRUM	4,596	2,552	106.0	0.697	(0.033)	1.656	(0.138)	1.108	(0.066)
151.4	MAL NEO STOMACH BODY	1,793	1,104	85.5	1.060	(0.069)	1.428	(0.146)	1.209	(0.105)
151.5	MAL NEO STOM LESSER CURV	1,895	927	10.7	0.781	(0.061)	1.243	(0.138)	0.969	(0.076)
151.6	MAL NEO STOM GREAT CURV	1,061	542	12.0	0.778	(0.072)	1.625	(0.249)	0.782	(0.115)
152.0	MALIGNANT NEOPL DUODENUM	1,216	784	116.2	0.956	(0.071)	2.170	(0.403)	1.141	(0.211)
156.2	MAL NEO AMPULLA OF VATER	1,715	817	4.5	0.985	(0.084)	0.993	(0.111)	1.145	(0.082)
158.0	MAL NEO RETROPERITONEUM	1,592	767	60.2	1.126	(0.101)	1.238	(0.175)	1.326	(0.116)
161.9	MALIGNANT NEO LARYNX NOS	1,975	820	31.7	1.583	(0.127)	0.707	(0.073)	1.052	(0.072)
180.8	MALIG NEO CERVIX NEC	2,167	788	27.3	0.654	(0.060)	1.881	(0.395)	0.688	(0.108)
183.0	MALIGN NEOPL OVARY	17,262	8,283	242.8	1.346	(0.030)	0.889	(0.027)	0.807	(0.022)
189.0	MALIG NEOPL KIDNEY	21,143	6,865	456.2	0.944	(0.025)	1.010	(0.035)	0.654	(0.020)
191.1	MALIG NEO FRONTAL LOBE	2,965	2,303	2984.2	0.867	(0.067)	7.812	(1.372)	4.141	(0.371)
191.2	MAL NEO TEMPORAL LOBE	2,565	2,036	2808.5	0.666	(0.065)	26.701	(12.53)	4.092	(0.384)
191.3	MAL NEO PARIETAL LOBE	2,863	2,321	279.5	0.715	(0.062)	22.870	(8.341)	3.738	(0.360)
197.4	SEC MALIG NEO SM BOWEL	3,551	2,687	404.3	0.821	(0.038)	1.972	(0.223)	1.557	(0.120)
198.1	SEC MALIG NEO URIN NEC	3,404	1,904	83.0	0.584	(0.037)	1.805	(0.302)	0.895	(0.089)
198.2	SECONDARY MALIG NEO SKIN	2,258	1,283	46.1	0.953	(0.065)	1.272	(0.152)	1.231	(0.091)
198.82	SECOND MALIG NEO GENITAL	2,589	1,227	36.5	0.616	(0.055)	1.755	(0.433)	0.888	(0.119)
202.81	LYMPHOMAS NEC HEAD	3,267	1,514	188.4	1.143	(0.065)	1.669	(0.173)	1.118	(0.097)
202.85	LYMPHOMAS NEC INGUIN	970	496	71.0	0.942	(0.113)	1.572	(0.363)	1.535	(0.196)
235.7	UNC BEHAV NEO LUNG	1,305	475	16.9	0.895	(0.114)	1.272	(0.243)	1.229	(0.124)
237.5	UNC BEH NEO BRAIN/SPINAL	1,595	861	364.4	1.110	(0.091)	1.915	(0.257)	2.045	(0.200)
239.0	DIGESTIVE NEOPLASM NOS	1,490	565	13.0	1.163	(0.106)	1.150	(0.138)	0.955	(0.099)
239.6	BRAIN NEOPLASM NOS	1,908	1,139	606.7	1.178	(0.082)	1.990	(0.222)	2.302	(0.200)
250.40(89)	DIAB RENAL MANIF ADULT	877	320	10.5	0.677	(0.102)	1.149	(0.212)	1.141	(0.115)
250.41(88)	DIAB RENAL MANIF JUVEN	1,760	566	9.6	0.877	(0.100)	0.942	(0.135)	1.224	(0.091)
250.41(89)	DIAB RENAL MANIF JUVEN	1,742	486	15.7	0.661	(0.079)	1.231	(0.187)	1.008	(0.088)
250.70(88)	DIAB CIRCULAT DIS ADULT	4,883	1,432	73.6	0.766	(0.049)	1.040	(0.082)	0.816	(0.043)
250.70(89)	DIAB CIRCULAT DIS ADULT	5,269	1,391	150.6	0.732	(0.046)	1.061	(0.074)	0.695	(0.037)
250.70(90)	DIAB CIRCULAT DIS ADULT	5,329	1,374	112.4	0.685	(0.042)	1.274	(0.097)	0.687	(0.046)
250.71(88)	DIAB CIRCULAT DIS JUVEN	7,116	1,972	102.0	0.735	(0.037)	1.298	(0.080)	0.711	(0.038)
250.71(89)	DIAB CIRCULAT DIS JUVEN	7,245	1,915	113.5	0.726	(0.042)	1.074	(0.075)	0.812	(0.036)
250.71(90)	DIAB CIRCULAT DIS JUVEN	7,767	1,996	92.8	0.727	(0.039)	1.151	(0.073)	0.810	(0.039)
263.8	PROTEIN-CAL MALNUTR NEC	928	460	10.7	1.153	(0.122)	1.063	(0.154)	1.118	(0.121)
283.9	ACQ HEMOLYTIC ANEMIA NOS	1,378	449	64.3	0.824	(0.089)	0.854	(0.114)	0.691	(0.069)
284.8	APLASTIC ANEMIAS NEC	7,847	4,428	154.0	0.727	(0.029)	1.195	(0.073)	1.321	(0.045)
284.9	APLASTIC ANEMIA NOS	2,317	1,208	77.4	0.644	(0.049)	1.579	(0.197)	1.299	(0.094)
285.8	ANEMIA NEC	1,565	855	59.1	0.569	(0.047)	1.929	(0.273)	1.050	(0.113)
287.5	THROMBOCYTOPENIA NOS	3,845	1,523	27.2	1.061	(0.058)	0.876	(0.060)	0.844	(0.048)
288.8	WBC DISEASE NEC	2,817	1,343	46.6	1.015	(0.068)	1.023	(0.090)	1.359	(0.076)
289.59	SPLEEN DISEASE NEC	1,276	394	46.2	0.928	(0.102)	0.795	(0.096)	0.712	(0.072)
289.8	BLOOD DISEASES NEC	3,587	1,966	359.7	1.280	(0.072)	1.077	(0.082)	1.800	(0.084)
323.9	ENCEPHALITIS NOS	1,077	327	15.2	1.153	(0.125)	0.980	(0.121)	0.649	(0.092)
336.9	SPINAL CORD DISEASE NOS	2,365	1,001	9.0	0.866	(0.057)	1.289	(0.116)	0.887	(0.079)
344.1	PARAPLEGIA NOS	984	287	22.1	0.781	(0.106)	0.951	(0.166)	0.788	(0.103)
345.3	GRAND MAL STATUS	11,753	3,237	146.5	1.131	(0.044)	0.755	(0.034)	0.822	(0.029)
348.3	ENCEPHALOPATHY NOS	10,149	3,460	199.3	1.019	(0.038)	0.759	(0.032)	0.835	(0.027)
348.8	BRAIN CONDITIONS NEC	1,484	498	1.2	0.966	(0.116)	0.933	(0.164)	1.094	(0.109)
398.91	RHEUMATIC HEART FAILURE	3,051	1,242	20.8	1.131	(0.076)	0.838	(0.066)	1.276	(0.068)
403.11(90)	BEN HYP RENAL W REN FAIL	420	114	2.8	1.091	(0.220)	0.840	(0.183)	0.840	(0.160)
403.9 (88)	HYPERTENS RENAL DIS NOS	3,187	901	32.0	0.888	(0.064)	1.056	(0.088)	0.749	(0.052)
403.9 (89)	HYPERTENS RENAL DIS NOS	3,695	1,017	29.0	0.797	(0.061)	1.032	(0.091)	0.882	(0.051)
403.91(90)	HYP RENAL NOS W REN FAIL	6,573	1,723	17.6	0.948	(0.053)	0.957	(0.063)	0.903	(0.044)
404.03(90)	MAL HYP HRT/REN W CHF&RF	325	100	1.5	0.917	(0.181)	1.256	(0.287)	0.780	(0.197)
404.9 (89)	HYPERT HRT/RENAL DIS NOS	960	427	7.9	0.933	(0.109)	1.056	(0.154)	1.249	(0.119)
404.91(90)	HYPER HRT/REN NOS W CHF	788	311	11.8	0.726	(0.105)	1.007	(0.157)	1.274	(0.127)
416.0	PRIM PULM HYPERTENSION	2,063	681	46.0	1.824	(0.163)	0.594	(0.058)	1.151	(0.076)
425.5	ALCOHOLIC CARDIOMYOPATHY	1,076	337	17.0	1.384	(0.173)	0.609	(0.081)	0.959	(0.089)
434.1	CEREBRAL EMBOLISM	45,177	14,079	1747.3	1.165	(0.021)	0.685	(0.013)	0.696	(0.012)
447.6	ARTERITIS NOS	2,728	725	57.9	0.775	(0.059)	1.230	(0.104)	0.627	(0.055)
459.9	CIRCULATORY DISEASE NOS	1,487	398	76.2	1.394	(0.154)	0.563	(0.069)	0.658	(0.062)
482.9	BACTERIAL PNEUMONIA NOS	14,976	4,724	862.4	1.280	(0.040)	0.575	(0.020)	0.685	(0.019)
492.0	EMPHYSEMATOUS BLEB	1,945	705	14.4	1.330	(0.108)	0.896	(0.082)	0.987	(0.076)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
492.8	EMPHYSEMA NEC	27,036	9,519	71.7	1.114	(0.028)	0.795	(0.022)	1.090	(0.020)
510.0	EMPYEMA WITH FISTULA	1,108	459	19.8	1.302	(0.114)	1.105	(0.121)	0.742	(0.098)
510.9	EMPYEMA W/O FISTULA	4,011	1,487	84.6	1.338	(0.065)	0.869	(0.048)	0.669	(0.044)
511.8	PLEURAL EFFUS NEC NOT TB	3,924	1,698	9.1	0.933	(0.052)	0.933	(0.065)	1.021	(0.051)
511.9	PLEURAL EFFUSION NOS	29,342	13,834	87.0	0.935	(0.019)	0.943	(0.024)	1.163	(0.020)
513.0	ABSCESS OF LUNG	4,470	1,801	51.1	1.307	(0.062)	1.006	(0.060)	0.898	(0.053)
515	POSTINFLAM PULM FIBROSIS	11,416	4,189	129.0	1.438	(0.048)	0.846	(0.033)	0.974	(0.031)
516.8	ALVEOL PNEUMONOPATHY NEC	4,008	1,261	176.4	1.380	(0.078)	0.657	(0.039)	0.640	(0.038)
518.0	PULMONARY COLLAPSE	3,892	1,243	86.4	0.992	(0.065)	0.774	(0.062)	0.791	(0.046)
518.3	PULMONARY EOSINOPHILIA	4,486	1,430	131.0	1.022	(0.064)	0.709	(0.053)	0.792	(0.040)
519.0	TRACHEOSTOMY COMPLIC	1,622	464	37.8	0.554	(0.069)	1.551	(0.343)	0.776	(0.111)
537.3	DUODENAL OBSTRUCTION NEC	942	419	9.4	0.810	(0.081)	1.456	(0.199)	0.948	(0.136)
560.2	VOLVULUS OF INTESTINE	11,993	3,710	525.5	1.247	(0.043)	0.669	(0.025)	0.654	(0.022)
560.89	INTESTINAL OBSTRUCT NEC	13,016	4,669	367.0	0.957	(0.029)	0.870	(0.033)	0.692	(0.025)
564.7	MEGACOLON NEC	1,433	429	26.4	0.683	(0.081)	1.194	(0.189)	0.788	(0.087)
569.81	INTESTINAL FISTULA	2,987	931	56.7	0.760	(0.051)	1.343	(0.114)	0.640	(0.061)
571.1	AC ALCOHOLIC HEPATITIS	3,491	990	91.7	1.674	(0.103)	0.728	(0.045)	0.735	(0.048)
571.49	CHRONIC HEPATITIS NEC	1,600	513	4.9	1.028	(0.094)	1.116	(0.123)	0.816	(0.084)
573.8	LIVER DISORDERS NEC	2,471	629	107.2	1.061	(0.098)	0.690	(0.076)	0.654	(0.051)
576.2	OBSTRUCTION OF BILE DUCT	7,226	2,775	40.9	0.808	(0.036)	1.047	(0.057)	0.974	(0.039)
576.8	DIS OF BILIARY TRACT NEC	4,307	1,919	15.4	1.200	(0.060)	0.819	(0.050)	1.071	(0.052)
582.9	CHRONIC NEPHRITIS NOS	1,105	308	22.8	0.677	(0.095)	1.214	(0.231)	0.748	(0.096)
585	CHRONIC RENAL FAILURE	35,615	12,693	375.5	1.365	(0.026)	0.885	(0.021)	1.085	(0.021)
707.0	DECUBITUS ULCER	42,556	20,655	2076.7	0.900	(0.013)	1.771	(0.042)	1.159	(0.027)
782.4	JAUNDICE NOS	2,186	705	56.8	1.258	(0.098)	0.738	(0.065)	0.701	(0.057)
783.0	ANOREXIA	2,894	991	86.6	0.646	(0.053)	1.088	(0.119)	0.836	(0.056)
783.3	FEEDING PROBLEM	981	439	19.3	0.622	(0.094)	1.236	(0.265)	1.272	(0.119)
783.4	LACK NORM PHYSIOL DEVEL	901	426	2.7	0.938	(0.111)	1.052	(0.180)	1.139	(0.128)
785.4	GANGRENE	25,246	10,392	25.7	1.014	(0.022)	1.094	(0.030)	0.919	(0.022)
786.6	CHEST SWELLING/MASS/LUMP	3,356	1,183	71.0	0.562	(0.051)	1.459	(0.203)	1.235	(0.075)
787.2	DYSPHAGIA	7,155	2,857	96.8	0.671	(0.037)	1.075	(0.082)	1.161	(0.042)
789.3	ABDOM/PELVIC SWELLNG NEC	2,243	602	49.7	0.765	(0.080)	0.911	(0.119)	0.820	(0.064)
789.5	ASCITES	4,065	2,360	265.2	0.983	(0.046)	1.304	(0.084)	1.591	(0.080)
799.0	ASPHYXIA	3,758	1,341	83.0	1.558	(0.107)	0.489	(0.039)	1.054	(0.048)
965.09	POISONING-OPIATES NEC	901	286	17.7	0.857	(0.112)	0.871	(0.136)	0.825	(0.102)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

4-5

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
428.0	CONGESTIVE HEART FAILURE	874,065	346,802	0.0	1.000	(0.004)	1.000	(0.005)	1.000	(0.003)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-0

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL EXCESS		PERSISTENCE		LONG TERM	
OTHER	IMPUTED ESTIMATE	74,245	38,826	0.0*	1.000	(0.010)	1.000	(0.011)	1.000	(0.012)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-1

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
250.10(88)	DIAB KETOACIDOSIS ADULT	1,747	448	102.4	2.481	(0.233)	0.435	(0.038)	0.848	(0.072)
250.10(89)	DIAB KETOACIDOSIS ADULT	1,524	398	37.9	1.850	(0.204)	0.562	(0.066)	0.933	(0.085)
250.10(90)	DIAB KETOACIDOSIS ADULT	1,521	359	75.8	2.727	(0.324)	0.357	(0.045)	0.971	(0.091)
415.1	PULMON EMBOLISM/INFARCT	54,711	14,211	2210.0	1.480	(0.028)	0.514	(0.010)	0.777	(0.012)
426.89	CONDUCTION DISORDER NEC	1,394	307	228.6	3.226	(0.425)	0.181	(0.023)	0.693	(0.061)
434.9	CEREBR ARTERY OCCLUS NOS	332,162	108,522	2362.6	0.862	(0.005)	1.335	(0.009)	1.000	(0.006)
456.0	ESOPHAG VARICES W BLEED	3,914	1,588	32.2	1.057	(0.054)	1.093	(0.063)	1.157	(0.060)
459.0	HEMORRHAGE NOS	2,579	743	60.1	1.679	(0.150)	0.493	(0.050)	0.975	(0.063)
485	BRONCOPNEUMONIA ORG NOS	61,004	19,840	161.3	1.103	(0.016)	0.885	(0.014)	0.914	(0.012)
486	PNEUMONIA, ORGANISM NOS	626,601	217,301	478.2	1.058	(0.005)	0.896	(0.005)	1.031	(0.004)
557.9	VASC INSUFF INTEST NOS	5,288	1,445	69.1	1.111	(0.058)	0.905	(0.049)	0.702	(0.039)
567.8	PERITONITIS NEC	971	322	14.3	1.540	(0.178)	0.695	(0.084)	1.121	(0.115)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL					
					EXCESS		PERSISTENCE		LONG TERM	
038.2	PNEUMOCOCCAL SEPTICEMIA	2,055	887	28.5	1.115	(0.073)	0.791	(0.056)	0.847	(0.063)
150.3	MAL NEO UPPER 3RD ESOPH	945	722	726.5	0.433	(0.036)	15.497	(2.259)	1.349	(0.333)
150.5	MAL NEO LOWER 3RD ESOPH	3,668	2,608	1701.8	0.375	(0.017)	13.059	(0.957)	1.047	(0.131)
150.8	MAL NEO ESOPHAGUS NEC	1,679	1,374	1131.9	0.564	(0.031)	10.748	(1.101)	1.288	(0.257)
151.3	MAL NEO STOMACH FUNDUS	1,029	705	255.2	0.428	(0.035)	4.862	(0.658)	1.208	(0.205)
151.8	MALIG NEOPL STOMACH NEC	6,389	4,438	1139.7	0.481	(0.016)	4.356	(0.378)	1.108	(0.097)
153.8	MALIGNANT NEO COLON NEC	6,310	2,947	352.6	0.521	(0.022)	1.497	(0.088)	0.838	(0.041)
153.9	MALIGNANT NEO COLON NOS	11,474	6,662	72.2	1.120	(0.027)	0.981	(0.031)	1.126	(0.035)
155.1	MAL NEO INTRAHEPAT DUCTS	1,325	1,098	968.3	0.763	(0.039)	7.402	(0.770)	1.229	(0.331)
179	MALIG NEOPL UTERUS NOS	1,598	655	17.8	0.839	(0.076)	0.903	(0.100)	1.207	(0.091)
197.1	SEC MAL NEO MEDIASTINUM	1,246	927	251.7	0.532	(0.033)	7.958	(1.356)	0.543	(0.273)
197.5	SEC MALIG NEO LG BOWEL	4,466	3,044	521.7	0.428	(0.014)	6.784	(0.603)	0.297	(0.096)
197.6	SEC MAL NEO PERITONEUM	13,591	11,202	3559.4	0.830	(0.014)	3.954	(0.197)	0.887	(0.074)
197.8	SEC MAL NEO GI NEC	3,330	2,849	1127.3	0.826	(0.027)	4.931	(0.455)	0.822	(0.171)
198.89	SECONDARY MALIG NEO NEC	17,707	12,314	2145.0	0.603	(0.014)	3.758	(0.301)	0.977	(0.075)
202.82	LYMPHOMAS NEC THORAX	1,280	754	243.1	0.439	(0.033)	5.893	(1.177)	0.828	(0.235)
275.4	DIS CALCIUM METABOLISM	10,419	4,902	73.1	0.804	(0.023)	1.082	(0.034)	1.064	(0.038)
320.1	PNEUMOCOCCAL MENINGITIS	997	451	132.8	2.049	(0.157)	0.914	(0.071)	0.640	(0.112)
410.0 (88)	AMI ANTEROLATERAL WALL	12,244	5,749	546.3	1.710	(0.040)	0.756	(0.017)	1.037	(0.033)
410.0 (89)	AMI ANTEROLATERAL WALL	11,546	5,214	614.7	1.834	(0.044)	0.698	(0.016)	0.973	(0.032)
410.01(90)	AMI ANTEROLATERAL, INIT	11,174	4,873	656.7	1.909	(0.047)	0.677	(0.016)	0.986	(0.036)
410.1 (88)	AMI ANTERIOR WALL NEC	51,350	22,641	1333.6	1.535	(0.018)	0.776	(0.009)	0.973	(0.015)
410.1 (89)	AMI ANTERIOR WALL NEC	49,416	20,981	1210.7	1.537	(0.019)	0.758	(0.009)	0.966	(0.016)
410.10(90)	AMI ANTERIOR WALL,UNSPEC	1,511	641	67.2	1.749	(0.119)	0.683	(0.045)	0.914	(0.091)
410.11(90)	AMI ANTERIOR WALL, INIT	46,949	18,865	1035.9	1.504	(0.019)	0.777	(0.010)	0.934	(0.017)
410.2 (88)	AMI INFEROLATERAL WALL	6,472	2,544	299.1	1.748	(0.061)	0.626	(0.021)	0.829	(0.039)
410.2 (89)	AMI INFEROLATERAL WALL	6,421	2,454	297.0	1.733	(0.061)	0.634	(0.021)	0.806	(0.038)
410.21(90)	AMI INFEROLATERAL, INIT	6,539	2,335	274.8	1.727	(0.063)	0.621	(0.022)	0.822	(0.042)
410.3 (88)	AMI INFEROPOSTERIOR WALL	3,245	1,141	162.6	1.607	(0.078)	0.724	(0.032)	0.584	(0.047)
410.3 (89)	AMI INFEROPOSTERIOR WALL	3,605	1,256	185.4	1.634	(0.078)	0.684	(0.030)	0.606	(0.045)
410.31(90)	AMI INFEROPOST, INITIAL	4,017	1,214	173.1	1.435	(0.069)	0.689	(0.029)	0.578	(0.044)
410.4 (88)	AMI INFERIOR WALL NEC	50,248	16,550	1587.7	1.307	(0.018)	0.689	(0.009)	0.715	(0.013)
410.4 (89)	AMI INFERIOR WALL NEC	49,575	15,707	1830.7	1.342	(0.019)	0.658	(0.009)	0.704	(0.013)
410.40(90)	AMI INFERIOR WALL,UNSPEC	1,082	354	63.5	1.827	(0.175)	0.487	(0.045)	0.874	(0.103)
410.41(90)	AMI INFERIOR WALL, INIT	47,385	14,011	1672.5	1.315	(0.020)	0.667	(0.009)	0.686	(0.014)
410.5 (88)	AMI LATERAL WALL NEC	5,806	2,032	171.4	1.338	(0.056)	0.637	(0.026)	0.851	(0.040)
410.5 (89)	AMI LATERAL WALL NEC	5,836	2,017	149.6	1.365	(0.057)	0.657	(0.027)	0.845	(0.040)
410.51(90)	AMI LATERAL NEC, INITIAL	5,602	1,765	177.7	1.351	(0.059)	0.626	(0.026)	0.836	(0.043)
410.6 (88)	TRUE POSTERIOR INFARCT	2,273	720	150.1	1.523	(0.098)	0.585	(0.034)	0.598	(0.052)
410.6 (89)	TRUE POSTERIOR INFARCT	2,332	704	129.0	1.394	(0.090)	0.637	(0.037)	0.578	(0.052)
410.61(90)	TRUE POST INFARCT, INIT	2,258	652	139.1	1.573	(0.107)	0.555	(0.034)	0.648	(0.059)
430	SUBARACHNOID HEMORRHAGE	14,389	9,043	7070.9	2.636	(0.042)	1.246	(0.021)	1.108	(0.048)
432.1	SUBDURAL HEMORRHAGE	14,320	4,888	512.7	0.586	(0.016)	1.520	(0.042)	0.670	(0.024)
433.0	BASILAR ARTERY OCCLUSION	1,429	529	21.8	1.080	(0.080)	1.123	(0.080)	0.658	(0.078)
434.0	CEREBRAL THROMBOSIS	63,359	22,189	2994.6	0.495	(0.007)	1.558	(0.023)	0.959	(0.014)
436	CVA	203,049	74,375	3419.6	0.694	(0.005)	1.143	(0.009)	1.046	(0.008)
442.2	ILIAC ARTERY ANEURYSM	2,014	545	80.5	1.258	(0.104)	0.829	(0.072)	0.511	(0.056)
447.2	RUPTURE OF ARTERY	1,488	457	67.3	1.592	(0.131)	0.784	(0.062)	0.566	(0.068)
482.8	BACTERIAL PNEUMONIA NEC	52,371	21,873	2694.9	0.510	(0.007)	1.721	(0.026)	1.002	(0.015)
508.0	AC PUL MANIF D/T RADIAT	1,500	1,027	87.4	0.571	(0.037)	1.872	(0.186)	0.963	(0.097)
512.0	SPONT TENS PNEUMOTHORAX	1,553	538	50.9	0.543	(0.048)	1.596	(0.152)	1.016	(0.092)
518.5	POST TRAUM PULM INSUFFIC	1,952	1,005	258.4	1.124	(0.060)	1.759	(0.102)	0.942	(0.096)
530.4	PERFORATION OF ESOPHAGUS	917	387	116.8	0.743	(0.060)	2.267	(0.185)	0.528	(0.116)
531.10	AC STOMACH ULCER W PERF	2,985	1,052	95.9	0.663	(0.035)	1.569	(0.081)	0.633	(0.055)
531.20	AC STOMAC ULC W HEM/PERF	1,225	470	40.0	0.686	(0.055)	1.650	(0.138)	0.651	(0.092)
531.50	CHR STOMACH ULCER W PERF	4,008	1,331	174.6	0.589	(0.028)	1.645	(0.078)	0.569	(0.045)
531.60	CHR STOMACH ULC HEM/PERF	1,232	475	65.0	0.685	(0.051)	1.792	(0.127)	0.636	(0.087)
532.10	AC DUODENAL ULCER W PERF	4,427	1,295	285.4	0.512	(0.025)	1.638	(0.078)	0.505	(0.040)
532.20	AC DUODEN ULC W HEM/PERF	1,565	629	108.8	0.730	(0.046)	1.890	(0.116)	0.468	(0.071)
532.50	CHR DUODEN ULCER W PERF	6,113	1,816	323.4	0.568	(0.023)	1.449	(0.056)	0.545	(0.034)
532.60	CHR DUODEN ULC HEM/PERF	1,379	562	107.0	0.651	(0.045)	2.023	(0.140)	0.689	(0.092)
557.0	AC VASC INSUFF INTESTINE	21,394	11,923	3927.0	2.170	(0.033)	0.925	(0.015)	0.900	(0.028)
567.2	SUPPURAT PERITONITIS NEC	10,050	3,682	394.6	0.527	(0.018)	1.618	(0.061)	0.925	(0.034)
569.83	PERFORATION OF INTESTINE	7,118	3,468	411.5	1.396	(0.040)	1.152	(0.035)	0.750	(0.042)
584.5	LOWER NEPHRON NEPHROSIS	2,322	1,165	124.5	0.743	(0.038)	1.782	(0.102)	0.974	(0.080)
584.8	AC RENAL FAILURE NEC	1,208	636	86.3	0.590	(0.043)	2.074	(0.180)	0.930	(0.106)
807.4	FLAIL CHEST	1,028	360	96.2	0.575	(0.050)	2.320	(0.196)	0.609	(0.109)
852.20	TRAUMATIC SUBDURAL HEM	5,718	1,817	348.2	0.472	(0.021)	1.680	(0.078)	0.671	(0.038)
852.22	SUBDURAL HEM-BRIEF COMA	969	282	68.9	0.417	(0.046)	1.988	(0.233)	0.635	(0.101)
852.26	SUBDURAL HEMORR-COMA NOS	1,241	608	87.7	1.169	(0.083)	1.412	(0.111)	1.049	(0.128)
853.00	TRAUMATIC BRAIN HEM NEC	1,425	548	17.7	0.766	(0.061)	1.427	(0.121)	0.877	(0.094)
853.01	BRAIN HEM NEC W/O COMA	1,092	356	43.1	0.536	(0.054)	1.556	(0.159)	0.771	(0.094)
865.04	SPLEEN DISRUPTION-CLOS	1,069	245	42.8	0.852	(0.103)	0.913	(0.108)	0.532	(0.082)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-2

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					EXCESS		INITIAL PERSISTENCE		LONG TERM	
946.3	3RD DEG BURN MULT SITE	1,441	617	174.0	1.198	(0.075)	1.667	(0.101)	0.558	(0.092)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-3

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
038.0	STREPTOCOCCAL SEPTICEMIA	18,107	7,913	198.1	1.008	(0.023)	0.905	(0.022)	0.807	(0.019)
038.1	STAPHYLOCOCC SEPTICEMIA	36,221	19,695	1152.5	0.863	(0.012)	1.589	(0.026)	0.963	(0.018)
038.3	ANAEROBIC SEPTICEMIA	3,460	1,972	64.6	1.144	(0.049)	1.158	(0.060)	0.989	(0.057)
038.40	GRAM-NEG SEPTICEMIA NOS	10,579	5,058	437.7	1.740	(0.051)	0.593	(0.020)	0.891	(0.027)
038.43	PSEUDOMONAS SEPTICEMIA	5,689	3,019	11.1	0.922	(0.034)	1.051	(0.047)	0.922	(0.037)
038.49	GRAM-NEG SEPTICEMIA NEC	14,263	6,498	77.5	0.837	(0.022)	1.097	(0.033)	0.905	(0.024)
038.8	SEPTICEMIA NEC	13,004	6,714	25.7	1.037	(0.025)	1.070	(0.031)	0.957	(0.027)
038.9	SEPTICEMIA NOS	65,041	37,771	8342.7	2.508	(0.025)	0.553	(0.006)	1.069	(0.012)
112.4	CANDIDIASIS OF LUNG	3,761	1,783	53.9	0.808	(0.035)	1.398	(0.066)	0.833	(0.046)
156.0	MALIG NEO GALLBLADDER	3,759	2,989	1343.1	0.531	(0.025)	2.817	(0.219)	2.522	(0.130)
195.0	MAL NEO HEAD/FACE/NECK	1,870	939	60.5	0.587	(0.053)	1.296	(0.171)	1.173	(0.077)
196.1	MAL NEO LYMPH-INTRATHOR	1,232	872	112.5	0.645	(0.058)	1.563	(0.225)	1.645	(0.124)
196.2	MAL NEO LYMPH INTRA-ABD	1,700	1,206	183.5	0.616	(0.048)	1.589	(0.200)	1.769	(0.114)
204.1	CHR LYMPHOID LEUKEMIA	5,244	2,842	109.7	0.791	(0.031)	1.542	(0.078)	1.034	(0.047)
238.7	LYMPHOPROLIFERAT DIS NOS	3,632	1,890	346.6	0.491	(0.028)	2.206	(0.174)	1.394	(0.074)
250.20(88)	DIAB HYPEROSM COMA ADULT	1,796	903	53.8	1.691	(0.124)	0.623	(0.052)	1.219	(0.077)
250.20(89)	DIAB HYPEROSM COMA ADULT	1,670	817	42.8	1.659	(0.127)	0.618	(0.054)	1.137	(0.075)
250.20(90)	DIAB HYPEROSM COMA ADULT	1,530	674	68.9	1.841	(0.143)	0.535	(0.043)	0.975	(0.072)
250.21(88)	DIAB HYPEROSM COMA JUVEN	2,350	1,077	3.6	1.022	(0.070)	0.909	(0.071)	1.101	(0.063)
250.21(89)	DIAB HYPEROSM COMA JUVEN	2,116	984	3.5	0.916	(0.062)	1.099	(0.086)	1.050	(0.067)
250.21(90)	DIAB HYPEROSM COMA JUVEN	2,041	897	9.3	0.952	(0.078)	0.973	(0.103)	1.212	(0.084)
250.30(88)	DIABETES COMA NEC ADULT	376	170	32.9	2.423	(0.441)	0.360	(0.074)	1.044	(0.140)
250.30(89)	DIABETES COMA NEC ADULT	345	148	14.6	2.342	(0.485)	0.311	(0.071)	1.178	(0.153)
250.30(90)	DIABETES COMA NEC ADULT	351	173	24.5	2.185	(0.358)	0.504	(0.090)	1.354	(0.185)
250.31(88)	DIABETES COMA NEC JUVEN	818	332	4.2	1.205	(0.132)	0.850	(0.097)	0.923	(0.100)
250.31(89)	DIABETES COMA NEC JUVEN	755	301	3.6	0.917	(0.107)	1.164	(0.149)	0.809	(0.099)
250.31(90)	DIABETES COMA NEC JUVEN	732	288	2.4	1.184	(0.146)	0.842	(0.115)	0.974	(0.116)
263.9	PROTEIN-CAL MALNUTR NOS	11,422	5,962	560.0	0.599	(0.018)	1.661	(0.065)	1.308	(0.035)
276.0	HYPEROSMOLALITY	6,577	3,269	121.2	0.728	(0.028)	1.331	(0.061)	1.185	(0.041)
276.2	ACIDOSIS	5,157	2,386	564.1	3.057	(0.142)	0.323	(0.017)	1.214	(0.044)
276.5	HYPOVOLEMIA	263,260	112,426	7879.0	0.610	(0.004)	1.262	(0.010)	0.920	(0.006)
404.13(90)	BEN HYP HRT/REN W CHF&RF	301	138	16.8	0.487	(0.096)	1.770	(0.428)	1.140	(0.211)
404.9 (88)	HYPERT HRT/RENAL DIS NOS	801	351	32.6	0.525	(0.061)	1.619	(0.217)	0.959	(0.106)
404.93(90)	HYP HT/REN NOS W CHF&RF	3,510	1,599	133.9	0.563	(0.032)	1.603	(0.109)	1.161	(0.059)
410.00(90)	AMI ANTEROLATERAL,UNSPEC	355	159	61.2	3.144	(0.482)	0.399	(0.065)	0.799	(0.155)
410.8 (88)	MYOCARDIAL INFARCT NEC	4,677	2,162	551.2	2.522	(0.103)	0.443	(0.018)	0.838	(0.036)
410.8 (89)	MYOCARDIAL INFARCT NEC	5,260	2,296	594.9	2.473	(0.099)	0.427	(0.017)	0.788	(0.033)
410.81(90)	AMI NEC, INITIAL	4,374	1,866	466.1	2.486	(0.113)	0.440	(0.021)	0.837	(0.041)
410.9 (88)	MYOCARDIAL INFARCT NOS	29,125	15,732	8848.2	4.210	(0.061)	0.361	(0.005)	0.956	(0.017)
410.9 (89)	MYOCARDIAL INFARCT NOS	27,393	14,448	8001.8	4.147	(0.063)	0.361	(0.006)	0.910	(0.017)
410.90(90)	AMI NOS, UNSPECIFIED	1,604	766	486.3	4.541	(0.297)	0.294	(0.019)	0.906	(0.075)
415.0	ACUTE COR PULMONALE	4,156	1,740	90.2	0.676	(0.040)	1.299	(0.092)	1.257	(0.054)
416.9	CHR PULMON HEART DIS NOS	4,101	1,700	84.5	0.727	(0.045)	1.099	(0.077)	1.324	(0.053)
425.4	PRIM CARDIOMYOPATHY NEC	34,830	14,238	494.2	0.687	(0.012)	1.258	(0.025)	0.974	(0.016)
428.1	LEFT HEART FAILURE	38,791	15,159	2414.7	0.606	(0.013)	0.909	(0.022)	0.999	(0.014)
428.9	HEART FAILURE NOS	1,576	858	285.6	3.035	(0.187)	0.484	(0.031)	1.089	(0.078)
429.9	HEART DISEASE NOS	922	312	48.5	0.956	(0.134)	0.660	(0.110)	0.793	(0.084)
441.2	THORACIC AORTIC ANEURYSM	4,466	1,584	9.0	0.926	(0.052)	1.071	(0.070)	0.875	(0.046)
459.2	COMPRESSION OF VEIN	1,531	895	59.1	0.647	(0.049)	1.496	(0.161)	1.293	(0.100)
482.0	K. PNEUMONIAE PNEUMONIA	28,192	13,840	371.6	0.812	(0.013)	1.405	(0.025)	0.911	(0.018)
482.1	PSEUDOMONAL PNEUMONIA	34,747	17,830	1714.7	0.688	(0.010)	1.876	(0.032)	0.980	(0.019)
482.4	STAPHYLOCOCCAL PNEUMONIA	35,138	19,829	1278.7	0.939	(0.012)	1.486	(0.023)	1.016	(0.019)
514	PULM CONGEST/HYPOSTASIS	9,376	3,921	326.9	0.886	(0.036)	0.691	(0.032)	1.111	(0.029)
516.3	IDIO FIBROS ALVEOLITIS	4,096	2,133	365.5	0.828	(0.038)	1.733	(0.094)	1.463	(0.069)
518.4	ACUTE LUNG EDEMA NOS	21,914	8,519	1139.2	1.068	(0.032)	0.513	(0.018)	1.070	(0.018)
518.82(88)	OTHER PULMONARY INSUFF	9,284	3,968	20.3	0.865	(0.030)	1.147	(0.045)	1.010	(0.031)
518.82(89)	OTHER PULMONARY INSUFF	9,938	4,247	6.4	0.930	(0.030)	1.029	(0.038)	1.001	(0.030)
518.82(90)	OTHER PULMONARY INSUFF	8,105	3,477	20.4	1.137	(0.039)	0.960	(0.038)	1.024	(0.037)
567.9	PERITONITIS NOS	2,452	1,119	234.0	2.491	(0.144)	0.504	(0.032)	1.011	(0.064)
571.2	ALCOHOL CIRRHOSIS LIVER	13,113	7,251	940.0	1.158	(0.026)	1.370	(0.035)	1.276	(0.036)
571.3	ALCOHOL LIVER DAMAGE NOS	1,416	600	24.6	1.399	(0.113)	0.857	(0.071)	1.186	(0.092)
571.5	CIRRHOSIS OF LIVER NOS	15,033	8,117	668.4	0.774	(0.018)	1.541	(0.044)	1.313	(0.033)
571.6	BILIARY CIRRHOSIS	982	426	24.0	0.849	(0.080)	1.564	(0.179)	0.997	(0.123)
572.2	HEPATIC COMA	11,439	7,176	141.1	0.906	(0.023)	1.081	(0.035)	1.284	(0.034)
572.3	PORTAL HYPERTENSION	1,396	573	88.1	0.601	(0.055)	1.032	(0.101)	0.840	(0.065)
578.0	HEMATEMESIS	14,458	5,142	807.3	1.086	(0.036)	0.560	(0.022)	0.846	(0.020)
584.9	ACUTE RENAL FAILURE NOS	39,809	22,710	1106.6	1.219	(0.015)	1.148	(0.016)	0.956	(0.016)
586	RENAL FAILURE NOS	13,982	8,338	802.6	1.540	(0.031)	0.943	(0.022)	1.175	(0.030)
710.1	SYSTEMIC SCLEROSIS	1,228	535	117.1	0.968	(0.096)	1.409	(0.162)	1.863	(0.148)
780.0	COMA AND STUPOR	6,772	2,363	307.7	1.202	(0.057)	0.564	(0.029)	0.841	(0.030)
933.1	FOREIGN BODY IN LARYNX	2,053	895	51.1	1.239	(0.103)	0.573	(0.053)	1.261	(0.067)
934.8	FB TRACH/BRONCH/LUNG NEC	1,004	475	5.6	1.069	(0.108)	0.904	(0.102)	1.223	(0.101)
991.6	HYPOTHERMIA	3,615	1,345	251.5	1.607	(0.095)	0.448	(0.028)	0.841	(0.043)

TABLE A-4B
ICD-9-CM ESTIMATE AND STANDARD ERROR

5-4

ICD-9 CODE	ICD-9 LABEL	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
136.3	PNEUMOCYSTOSIS	2,281	1,207	148.4	0.531	(0.031)	1.541	(0.092)	0.802	(0.045)
149.0	MAL NEO PHARYNX NOS	1,027	674	37.2	0.580	(0.061)	1.461	(0.244)	0.984	(0.086)
150.9	MAL NEO ESOPHAGUS NOS	2,717	2,275	282.1	0.799	(0.043)	1.322	(0.116)	1.830	(0.085)
151.9	MALIG NEOPL STOMACH NOS	6,416	4,828	89.8	0.764	(0.024)	1.253	(0.059)	1.112	(0.040)
155.0	MAL NEO LIVER, PRIMARY	5,384	4,674	1183.7	0.675	(0.020)	2.467	(0.119)	1.747	(0.081)
155.2	MALIGNANT NEO LIVER NOS	1,653	1,462	428.1	0.875	(0.043)	2.253	(0.178)	1.811	(0.160)
156.1	MAL NEO EXTRAHEPAT DUCTS	3,122	2,280	453.3	0.375	(0.020)	2.229	(0.170)	1.264	(0.058)
157.0	MAL NEO PANCREAS HEAD	17,984	14,565	3691.8	0.368	(0.010)	1.961	(0.081)	1.983	(0.032)
157.1	MAL NEO PANCREAS BODY	2,111	1,900	592.8	0.412	(0.037)	1.874	(0.293)	2.724	(0.129)
157.2	MAL NEO PANCREAS TAIL	1,621	1,449	296.5	0.640	(0.046)	1.929	(0.212)	2.172	(0.154)
157.8	MALIG NEO PANCREAS NEC	4,380	3,906	926.8	0.586	(0.027)	1.823	(0.132)	2.377	(0.088)
157.9	MALIG NEO PANCREAS NOS	8,687	7,904	1818.9	1.025	(0.026)	1.405	(0.058)	2.311	(0.070)
162.2	MALIG NEO MAIN BRONCHUS	13,712	11,225	1358.9	0.664	(0.016)	1.522	(0.058)	1.726	(0.036)
162.3	MAL NEO UPPER LOBE LUNG	59,327	34,675	4724.0	0.462	(0.006)	1.603	(0.034)	0.878	(0.011)
162.4	MAL NEO MIDDLE LOBE LUNG	5,897	3,729	329.5	0.534	(0.021)	1.581	(0.087)	0.904	(0.034)
162.5	MAL NEO LOWER LOBE LUNG	28,615	17,096	2324.6	0.446	(0.009)	1.810	(0.053)	0.880	(0.016)
162.8	MAL NEO BRONCH/LUNG NEC	17,220	14,257	1104.6	0.911	(0.017)	1.347	(0.040)	1.517	(0.032)
162.9	MAL NEO BRONCH/LUNG NOS	38,553	33,271	4071.7	1.380	(0.016)	0.932	(0.016)	1.682	(0.023)
163.9	MALIG NEOPL PLEURA NOS	953	748	190.5	0.365	(0.046)	2.131	(0.463)	1.886	(0.139)
191.9	MALIG NEO BRAIN NOS	2,199	1,855	1000.7	0.343	(0.022)	4.278	(0.469)	2.298	(0.153)
195.2	MALIG NEO ABDOMEN	1,495	1,312	215.7	0.824	(0.044)	2.172	(0.207)	1.382	(0.140)
197.0	SECONDARY MALIG NEO LUNG	19,530	14,810	59.4	1.108	(0.018)	0.985	(0.024)	0.952	(0.021)
197.2	SECOND MALIG NEO PLEURA	21,782	17,638	1303.7	0.558	(0.010)	1.589	(0.048)	1.127	(0.024)
197.7	SECOND MALIG NEO LIVER	32,125	28,042	3497.7	1.156	(0.012)	1.602	(0.029)	1.155	(0.026)
198.3	SEC MAL NEO BRAIN/SPINE	27,469	24,287	4626.2	0.438	(0.008)	2.600	(0.087)	1.680	(0.034)
198.4	SEC MALIG NEO NERVE NEC	2,948	2,414	200.1	0.604	(0.026)	2.096	(0.145)	0.900	(0.071)
198.5	SECONDARY MALIG NEO BONE	52,382	38,888	8053.3	0.355	(0.005)	2.068	(0.047)	1.041	(0.014)
199.0	MALIG NEO DISSEMINATED	7,849	7,350	2230.1	1.508	(0.029)	1.636	(0.056)	1.302	(0.071)
199.1	MALIGNANT NEOPLASM NOS	7,153	6,320	804.0	1.352	(0.029)	1.334	(0.048)	1.056	(0.053)
200.10	LYMPHOSARCOMA UNSPEC	945	577	82.4	0.536	(0.046)	1.548	(0.160)	0.707	(0.068)
202.80	LYMPHOMA NEC UNSPEC SITE	5,175	3,585	241.6	0.614	(0.021)	1.792	(0.081)	0.888	(0.038)
202.83	LYMPHOMAS NEC ABDOM	5,458	3,232	702.3	0.400	(0.015)	2.456	(0.123)	0.732	(0.034)
202.88	LYMPHOMAS NEC MULT	3,187	2,376	318.5	0.574	(0.024)	2.322	(0.140)	1.067	(0.063)
203.0	MULTIPLE MYELOMA	14,487	9,078	2165.9	0.367	(0.009)	2.098	(0.063)	0.883	(0.021)
204.0	ACUTE LYMPHOID LEUKEMIA	1,644	1,417	483.0	0.766	(0.037)	2.784	(0.214)	1.438	(0.130)
205.0	ACUTE MYELOID LEUKEMIA	8,980	8,029	3237.3	0.811	(0.017)	2.686	(0.093)	1.877	(0.068)
205.1	CHRONIC MYELOID LEUKEMIA	3,107	2,255	199.9	0.594	(0.028)	1.665	(0.114)	1.294	(0.062)
208.0	ACUTE LEUKEMIA NOS	2,375	2,175	901.1	1.160	(0.043)	2.096	(0.122)	1.880	(0.135)
261	NUTRITIONAL MARASMUS	2,453	1,530	121.3	0.606	(0.031)	1.457	(0.086)	0.805	(0.047)
277.3	AMYLOIDOSIS	1,059	598	209.4	0.312	(0.027)	2.365	(0.278)	0.775	(0.079)
286.6	DEFIBRINATION SYNDROME	999	750	68.9	1.504	(0.090)	0.772	(0.054)	0.621	(0.070)
335.20	AMYOTROPHIC SCLEROSIS	3,236	2,107	228.0	0.937	(0.059)	0.773	(0.061)	1.749	(0.059)
348.1	ANOXIC BRAIN DAMAGE	4,686	3,780	951.2	1.718	(0.042)	1.137	(0.033)	0.796	(0.050)
410.91(90)	AMI NOS, INITIAL	22,954	12,224	4982.2	2.055	(0.033)	0.385	(0.006)	0.592	(0.012)
427.41	VENTRICULAR FIBRILLATION	8,128	5,308	1110.0	1.948	(0.044)	0.598	(0.014)	0.627	(0.024)
427.5	CARDIAC ARREST	19,477	17,041	21296	6.089	(0.069)	0.405	(0.006)	0.932	(0.032)
431	INTRACEREBRAL HEMORRHAGE	75,424	43,768	8970.2	1.569	(0.013)	0.648	(0.006)	0.499	(0.007)
432.9	INTRACRANIAL HEMORR NOS	1,991	1,390	739.6	3.250	(0.138)	0.452	(0.020)	0.597	(0.049)
441.0	DISSECTING ANEURYSM	7,260	3,897	2158.6	2.519	(0.071)	0.381	(0.011)	0.440	(0.019)
441.1	RUPTUR THORACIC ANEURYSM	2,085	1,557	1717.1	5.902	(0.238)	0.322	(0.015)	0.648	(0.057)
441.3	RUPT ABD AORTIC ANEURYSM	17,751	12,277	10449	4.687	(0.076)	0.331	(0.006)	0.548	(0.019)
507.0	FOOD/VOMIT PNEUMONITIS	83,596	55,626	4729.1	0.589	(0.005)	1.444	(0.014)	0.846	(0.009)
518.81(88)	RESPIRATORY FAILURE	37,612	22,267	338.6	0.891	(0.012)	1.055	(0.016)	0.822	(0.013)
518.81(89)	RESPIRATORY FAILURE	49,308	28,827	596.0	0.913	(0.011)	0.993	(0.013)	0.815	(0.011)
518.81(90)	RESPIRATORY FAILURE	56,434	32,162	388.3	0.901	(0.010)	1.048	(0.013)	0.837	(0.011)
570	ACUTE NECROSIS OF LIVER	3,781	2,567	169.2	1.162	(0.035)	0.992	(0.034)	0.475	(0.035)
572.4	HEPATORENAL SYNDROME	1,333	1,263	409.2	1.531	(0.059)	1.553	(0.093)	1.200	(0.250)
572.8	OTH SEQUELA, CHR LIV DIS	2,919	2,374	41.4	1.063	(0.035)	1.137	(0.047)	1.006	(0.071)
785.50	SHOCK NOS	1,123	766	984.4	7.332	(0.439)	0.167	(0.011)	0.688	(0.066)
785.51	CARDIOGENIC SHOCK	4,965	4,399	6386.4	7.278	(0.162)	0.329	(0.009)	1.025	(0.066)
785.59	SHOCK W/O TRAUMA NEC	11,509	8,886	6912.1	4.736	(0.085)	0.305	(0.006)	0.835	(0.027)
799.1 (88)	RESPIRATORY FAILURE	3,285	2,244	306.5	1.947	(0.074)	0.570	(0.025)	0.919	(0.049)
799.1 (89)	RESPIRATORY FAILURE	2,264	1,530	222.8	1.975	(0.094)	0.576	(0.032)	0.850	(0.055)
799.1 (90)	RESPIRATORY FAILURE	2,051	1,379	227.8	2.116	(0.104)	0.530	(0.029)	1.011	(0.064)
852.25	SUBDURAL HEM-DEEP COMA	1,294	1,213	981.1	2.863	(0.120)	1.123	(0.071)	1.709	(0.269)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
CONDITION: ACUTE MYOCARDIAL INFARCTION										
4-2	1990	47,304	11,636	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	43,389	11,519	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	41,032	10,927	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-3	1990	987	236	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-0	1990	578	206	127.7	1.657	(0.190)	0.384	(0.038)	0.510	(0.082)
	1989	.	.	127.7	1.657	(0.190)	0.384	(0.038)	0.510	(0.082)
	1988	.	.	127.7	1.657	(0.190)	0.384	(0.038)	0.510	(0.082)
5-2	1990	126,517	44,710	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	128,731	48,333	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	131,638	51,377	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-3	1990	6,333	2,791	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	32,653	16,744	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	33,802	17,894	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-4	1990	22,954	12,224	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
CONDITION: CONGESTIVE HEART FAILURE										
3-4	1990	905	142	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	792	163	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	593	122	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-3	1990	22,506	5,668	17.7	0.925	(0.035)	1.014	(0.046)	0.953	(0.021)
	1989	19,836	5,739	0.6	1.000	(.)	1.000	(.)	1.000	(.)
	1988	17,022	5,142	15.2	1.090	(0.043)	0.971	(0.044)	1.051	(0.023)
4-4	1990	1,034	406	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	1,031	435	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	986	401	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-5	1990	299,634	111890	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	289,952	117345	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	284,479	117567	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-3	1990	11,347	4,158	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	13,268	5,341	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	15,752	6,518	0.0	1.000	(.)	1.000	(.)	1.000	(.)
CONDITION: PNEUMONIA/INFLUENZA										
1-4	1990	1	0	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	.	.	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-0	1990	380	92	26.1	1.120	(0.139)	0.695	(0.088)	0.786	(0.087)
	1989	339	93	26.1	1.120	(0.139)	0.695	(0.088)	0.786	(0.087)
	1988	391	110	26.1	1.120	(0.139)	0.695	(0.088)	0.786	(0.087)
4-1	1990	21,463	3,977	14.3	0.969	(0.034)	1.005	(0.036)	0.916	(0.026)
	1989	18,872	3,979	1.6	1.000	(.)	1.000	(.)	1.000	(.)
	1988	19,012	4,180	10.5	1.000	(.)	1.000	(.)	1.000	(.)
4-2	1990	37,929	9,386	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	35,885	9,705	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	34,459	9,527	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-4	1990	5,930	1,749	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	4,832	1,550	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	4,214	1,425	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-0	1990	16	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	22	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	12	7	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-1	1990	247,584	80,266	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	224,301	79,330	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	215,720	77,545	0.0	1.000	(.)	1.000	(.)	1.000	(.)
CONDITION: CHRONIC OBSTRUCTIVE PULMONARY DISEASE										
3-3	1990	38,171	6,832	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	37,121	7,204	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	34,501	6,877	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-4	1990	13,813	2,690	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	11,454	2,451	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	10,904	2,389	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-3	1990	41,791	11,802	13.7	1.012	(0.023)	1.027	(0.026)	0.942	(0.016)
	1989	33,907	10,369	1.3	1.000	(.)	1.000	(.)	1.000	(.)
	1988	33,401	10,518	11.9	0.973	(0.025)	0.992	(0.031)	1.054	(0.018)
4-4	1990	9,851	3,269	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	9,329	3,308	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	9,801	3,647	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-2	1990	125	49	53.8	0.742	(0.140)	0.538	(0.102)	1.465	(0.196)
	1989	114	53	53.8	0.742	(0.140)	0.538	(0.102)	1.465	(0.196)
	1988	133	44	53.8	0.742	(0.140)	0.538	(0.102)	1.465	(0.196)
5-3	1990	3,636	1,332	234.5	0.710	(0.025)	1.028	(0.042)	0.960	(0.025)
	1989	4,678	1,679	234.5	0.710	(0.025)	1.028	(0.042)	0.960	(0.025)
	1988	4,464	1,670	234.5	0.710	(0.025)	1.028	(0.042)	0.960	(0.025)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK		
					INITIAL		LONG TERM
					EXCESS	PERSISTENCE	
				CONDITION: TRANSIENT CEREBRAL ISCHEMIA			
1-3	1990	11,212	835	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	12,438	1,077	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	13,194	1,171	0.0	1.000 (.)	1.000 (.)	1.000 (.)
1-4	1990	293	12	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	287	21	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	329	21	0.0	1.000 (.)	1.000 (.)	1.000 (.)
2-2	1990	7,207	660	81.4	1.096 (0.078)	1.067 (0.087)	1.234 (0.038)
	1989	7,547	757	81.4	1.096 (0.078)	1.067 (0.087)	1.234 (0.038)
	1988	8,874	831	81.4	1.096 (0.078)	1.067 (0.087)	1.234 (0.038)
2-3	1990	74,223	7,516	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	76,574	9,094	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	81,355	9,875	0.0	1.000 (.)	1.000 (.)	1.000 (.)
2-4	1990	3,931	427	11.6	0.925 (0.084)	1.057 (0.109)	1.125 (0.044)
	1989	4,089	450	11.6	0.925 (0.084)	1.057 (0.109)	1.125 (0.044)
	1988	4,419	491	11.6	0.925 (0.084)	1.057 (0.109)	1.125 (0.044)
				CONDITION: STROKE			
4-4	1990	15,343	4,637	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	15,106	4,689	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	14,728	4,753	0.0	1.000 (.)	1.000 (.)	1.000 (.)
5-1	1990	115,173	35,590	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	111,036	36,784	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	105,953	36,148	0.0	1.000 (.)	1.000 (.)	1.000 (.)
5-2	1990	85,865	29,283	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	87,430	32,018	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	93,113	35,263	0.0	1.000 (.)	1.000 (.)	1.000 (.)
5-4	1990	25,422	14,259	12.1	0.963 (0.014)	1.053 (0.016)	0.983 (0.024)
	1989	24,977	14,591	12.0	1.037 (0.015)	0.949 (0.014)	1.032 (0.022)
	1988	25,025	14,918	0.6	1.000 (.)	1.000 (.)	1.000 (.)
				CONDITION: HIP FRACTURE			
1-4	1990	28	5	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	40	6	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	43	9	0.0	1.000 (.)	1.000 (.)	1.000 (.)
3-3	1990	3,901	721	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	3,823	741	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	4,070	809	0.0	1.000 (.)	1.000 (.)	1.000 (.)
3-4	1990	81,304	14,518	14.1	1.072 (0.021)	0.950 (0.021)	0.985 (0.016)
	1989	78,817	15,068	3.3	1.000 (.)	1.000 (.)	1.000 (.)
	1988	78,278	15,342	6.8	1.000 (.)	1.000 (.)	1.000 (.)
4-0	1990	221	44	43.2	0.537 (0.100)	1.119 (0.235)	0.626 (0.108)
	1989	225	55	43.2	0.537 (0.100)	1.119 (0.235)	0.626 (0.108)
	1988	229	47	43.2	0.537 (0.100)	1.119 (0.235)	0.626 (0.108)
4-1	1990	77,446	15,591	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	75,527	16,216	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	75,655	16,580	0.0	1.000 (.)	1.000 (.)	1.000 (.)
				CONDITION: SEPSIS			
1-4	1990	12	2	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	5	1	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	16	5	0.0	1.000 (.)	1.000 (.)	1.000 (.)
4-0	1990	268	89	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	277	99	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	242	85	0.0	1.000 (.)	1.000 (.)	1.000 (.)
4-2	1990	18,901	4,599	9.8	1.000 (.)	1.000 (.)	1.000 (.)
	1989	16,657	4,591	6.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	15,945	4,693	7.4	1.000 (.)	1.000 (.)	1.000 (.)
5-0	1990	565	228	169.5	0.709 (0.055)	0.785 (0.066)	0.812 (0.063)
	1989	507	208	169.5	0.709 (0.055)	0.785 (0.066)	0.812 (0.063)
	1988	539	261	169.5	0.709 (0.055)	0.785 (0.066)	0.812 (0.063)
5-2	1990	838	350	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	657	301	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	560	236	0.0	1.000 (.)	1.000 (.)	1.000 (.)
5-3	1990	60,415	30,901	78.2	1.095 (0.012)	0.918 (0.012)	0.986 (0.013)
	1989	55,036	29,749	27.0	0.947 (0.011)	1.037 (0.014)	1.017 (0.013)
	1988	50,913	27,990	21.9	0.957 (0.011)	1.061 (0.014)	0.993 (0.014)
				PROCEDURE: ANGIOPLASTY			
1-1	1990	83	6	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	75	1	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	75	8	0.0	1.000 (.)	1.000 (.)	1.000 (.)
1-2	1990	51	7	13.5	5.719 (3.614)	0.766 (0.431)	2.267 (0.877)
	1989	42	4	13.5	5.719 (3.614)	0.766 (0.431)	2.267 (0.877)
	1988	33	4	13.5	5.719 (3.614)	0.766 (0.431)	2.267 (0.877)
1-3	1990	61	5	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	45	3	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	34	3	0.0	1.000 (.)	1.000 (.)	1.000 (.)
1-4	1990	36	5	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1989	38	4	0.0	1.000 (.)	1.000 (.)	1.000 (.)
	1988	21	2	0.0	1.000 (.)	1.000 (.)	1.000 (.)
2-1	1990	3,596	85	233.9	0.945 (0.215)	0.535 (0.134)	0.448 (0.034)
	1989	2,973	104	233.9	0.945 (0.215)	0.535 (0.134)	0.448 (0.034)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
PROCEDURE: ANGIOPLASTY										
2-1	1988	3,281	95	233.9	0.945	(0.215)	0.535	(0.134)	0.448	(0.034)
2-2	1990	65	8	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	44	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	51	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-3	1990	28	2	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	282	22	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	25	3	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-4	1990	72	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	77	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	54	2	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-1	1990	15,819	713	226.9	0.726	(0.108)	0.700	(0.134)	0.648	(0.037)
	1989	12,244	594	278.3	1.071	(0.134)	0.513	(0.065)	0.559	(0.031)
	1988	9,675	520	195.2	1.307	(0.150)	0.599	(0.070)	0.528	(0.035)
3-2	1990	15,819	713	226.9	0.726	(0.108)	0.700	(0.134)	0.648	(0.037)
	1989	12,244	594	278.3	1.071	(0.134)	0.513	(0.065)	0.559	(0.031)
	1988	9,675	520	195.2	1.307	(0.150)	0.599	(0.070)	0.528	(0.035)
3-3	1990	96	15	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	118	14	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	109	15	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-4	1990	97	11	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	62	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	70	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-0	1990	39	2	20.2	1.856	(1.194)	0.225	(0.107)	0.205	(0.145)
	1989	20	3	20.2	1.856	(1.194)	0.225	(0.107)	0.205	(0.145)
	1988	13	2	20.2	1.856	(1.194)	0.225	(0.107)	0.205	(0.145)
4-1	1990	1,343	106	93.3	0.567	(0.098)	0.695	(0.117)	0.948	(0.072)
	1989	1,035	108	93.3	0.567	(0.098)	0.695	(0.117)	0.948	(0.072)
	1988	826	81	93.3	0.567	(0.098)	0.695	(0.117)	0.948	(0.072)
4-2	1990	2,588	237	575.0	0.393	(0.037)	1.195	(0.112)	0.357	(0.029)
	1989	1,772	183	575.0	0.393	(0.037)	1.195	(0.112)	0.357	(0.029)
	1988	1,389	107	575.0	0.393	(0.037)	1.195	(0.112)	0.357	(0.029)
4-3	1990	90	17	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	52	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	28	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-4	1990	26	12	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	26	7	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	27	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-5	1990	397	102	29.1	0.649	(0.099)	1.516	(0.282)	0.586	(0.083)
	1989	262	72	29.1	0.649	(0.099)	1.516	(0.282)	0.586	(0.083)
	1988	189	57	29.1	0.649	(0.099)	1.516	(0.282)	0.586	(0.083)
5-0	1990	60	10	35.9	0.351	(0.191)	0.751	(0.383)	0.283	(0.147)
	1989	5	3	35.9	0.351	(0.191)	0.751	(0.383)	0.283	(0.147)
	1988	4	0	35.9	0.351	(0.191)	0.751	(0.383)	0.283	(0.147)
5-1	1990	26	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	16	2	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	9	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-2	1990	9,701	1,225	4465.8	0.355	(0.011)	1.059	(0.030)	0.415	(0.015)
	1989	8,008	1,150	4465.8	0.355	(0.011)	1.059	(0.030)	0.415	(0.015)
	1988	7,226	1,108	4465.8	0.355	(0.011)	1.059	(0.030)	0.415	(0.015)
5-3	1990	259	52	448.9	0.320	(0.037)	1.120	(0.126)	0.387	(0.042)
	1989	680	139	448.9	0.320	(0.037)	1.120	(0.126)	0.387	(0.042)
	1988	632	119	448.9	0.320	(0.037)	1.120	(0.126)	0.387	(0.042)
5-4	1990	567	112	305.8	0.285	(0.038)	1.268	(0.162)	0.300	(0.053)
	1989	69	33	305.8	0.285	(0.038)	1.268	(0.162)	0.300	(0.053)
	1988	69	29	305.8	0.285	(0.038)	1.268	(0.162)	0.300	(0.053)
PROCEDURE: CORONARY ARTERY BYPASS GRAFT										
1-1	1990	37	6	21.3	6.462	(3.148)	2.303	(0.955)	0.426	(0.520)
	1989	35	2	21.3	6.462	(3.148)	2.303	(0.955)	0.426	(0.520)
	1988	40	3	21.3	6.462	(3.148)	2.303	(0.955)	0.426	(0.520)
1-2	1990	66	8	38.6	7.402	(2.742)	1.398	(0.483)	1.705	(0.860)
	1989	45	10	38.6	7.402	(2.742)	1.398	(0.483)	1.705	(0.860)
	1988	41	5	38.6	7.402	(2.742)	1.398	(0.483)	1.705	(0.860)
1-3	1990	50	8	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	59	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	37	2	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-4	1990	35	7	29.3	4.487	(1.648)	1.981	(0.695)	1.000	(.)
	1989	34	7	29.3	4.487	(1.648)	1.981	(0.695)	1.000	(.)
	1988	25	5	29.3	4.487	(1.648)	1.981	(0.695)	1.000	(.)
2-1	1990	2,571	142	297.1	3.665	(0.304)	0.744	(0.055)	0.434	(0.039)
	1989	2,533	160	297.1	3.665	(0.304)	0.744	(0.055)	0.434	(0.039)
	1988	3,126	223	297.1	3.665	(0.304)	0.744	(0.055)	0.434	(0.039)
2-2	1990	91	10	22.2	2.595	(0.807)	1.527	(0.462)	1.035	(0.396)
	1989	82	12	22.2	2.595	(0.807)	1.527	(0.462)	1.035	(0.396)
	1988	85	17	22.2	2.595	(0.807)	1.527	(0.462)	1.035	(0.396)
2-3	1990	16	3	17.6	3.585	(1.116)	0.953	(0.265)	0.807	(0.192)
	1989	384	40	17.6	3.585	(1.116)	0.953	(0.265)	0.807	(0.192)
	1988	30	6	17.6	3.585	(1.116)	0.953	(0.265)	0.807	(0.192)
2-4	1990	106	24	30.7	3.157	(0.731)	1.169	(0.268)	0.824	(0.377)
	1989	98	13	30.7	3.157	(0.731)	1.169	(0.268)	0.824	(0.377)
	1988	81	20	30.7	3.157	(0.731)	1.169	(0.268)	0.824	(0.377)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
PROCEDURE: CORONARY ARTERY BYPASS GRAFT										
3-1	1990	17,984	1,689	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
	1989	15,328	1,566	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
	1988	14,256	1,543	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
3-2	1990	17,984	1,689	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
	1989	15,328	1,566	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
	1988	14,256	1,543	1880.6	2.609	(0.070)	0.953	(0.024)	0.512	(0.018)
3-3	1990	91	20	31.9	2.742	(0.554)	1.098	(0.203)	0.518	(0.187)
	1989	145	24	31.9	2.742	(0.554)	1.098	(0.203)	0.518	(0.187)
	1988	123	26	31.9	2.742	(0.554)	1.098	(0.203)	0.518	(0.187)
3-4	1990	146	30	12.2	1.374	(0.276)	1.369	(0.275)	0.530	(0.180)
	1989	133	30	12.2	1.374	(0.276)	1.369	(0.275)	0.530	(0.180)
	1988	113	18	12.2	1.374	(0.276)	1.369	(0.275)	0.530	(0.180)
4-0	1990	232	50	32.0	1.562	(0.243)	0.736	(0.118)	0.456	(0.101)
	1989	197	54	32.0	1.562	(0.243)	0.736	(0.118)	0.456	(0.101)
	1988	170	40	32.0	1.562	(0.243)	0.736	(0.118)	0.456	(0.101)
4-1	1990	4,660	677	181.3	1.103	(0.048)	1.155	(0.048)	0.528	(0.031)
	1989	4,037	608	181.3	1.103	(0.048)	1.155	(0.048)	0.528	(0.031)
	1988	3,517	505	181.3	1.103	(0.048)	1.155	(0.048)	0.528	(0.031)
4-2	1990	3,810	595	411.8	0.723	(0.033)	1.497	(0.064)	0.309	(0.025)
	1989	2,703	445	411.8	0.723	(0.033)	1.497	(0.064)	0.309	(0.025)
	1988	2,490	444	411.8	0.723	(0.033)	1.497	(0.064)	0.309	(0.025)
4-3	1990	90	20	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	59	15	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	52	17	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-4	1990	56	21	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	56	15	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	29	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-5	1990	798	234	178.5	0.985	(0.067)	1.696	(0.110)	0.252	(0.040)
	1989	597	168	178.5	0.985	(0.067)	1.696	(0.110)	0.252	(0.040)
	1988	491	166	178.5	0.985	(0.067)	1.696	(0.110)	0.252	(0.040)
5-0	1990	109	34	33.4	1.160	(0.275)	0.601	(0.145)	0.309	(0.123)
	1989	30	16	33.4	1.160	(0.275)	0.601	(0.145)	0.309	(0.123)
	1988	32	8	33.4	1.160	(0.275)	0.601	(0.145)	0.309	(0.123)
5-1	1990	25	11	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	31	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	15	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-2	1990	5,941	983	3151.4	0.220	(0.007)	2.507	(0.069)	0.297	(0.018)
	1989	5,088	895	3151.4	0.220	(0.007)	2.507	(0.069)	0.297	(0.018)
	1988	4,654	891	3151.4	0.220	(0.007)	2.507	(0.069)	0.297	(0.018)
5-3	1990	295	85	429.9	0.209	(0.017)	3.181	(0.241)	0.313	(0.047)
	1989	721	191	429.9	0.209	(0.017)	3.181	(0.241)	0.313	(0.047)
	1988	683	196	429.9	0.209	(0.017)	3.181	(0.241)	0.313	(0.047)
5-4	1990	604	164	461.2	0.171	(0.017)	2.664	(0.232)	0.252	(0.049)
	1989	148	53	461.2	0.171	(0.017)	2.664	(0.232)	0.252	(0.049)
	1988	139	50	461.2	0.171	(0.017)	2.664	(0.232)	0.252	(0.049)
PROCEDURE: INITIAL PACEMAKER INSERTION										
1-1	1990	152	10	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	120	12	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	97	7	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-2	1990	174	17	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	145	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	147	25	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-3	1990	814	59	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	883	79	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	780	71	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-4	1990	134	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	148	14	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	124	17	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-1	1990	20,745	1,631	169.5	0.493	(0.030)	1.612	(0.123)	0.960	(0.019)
	1989	19,034	1,821	169.5	0.493	(0.030)	1.612	(0.123)	0.960	(0.019)
	1988	17,063	1,683	169.5	0.493	(0.030)	1.612	(0.123)	0.960	(0.019)
2-2	1990	387	46	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	394	59	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	321	51	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-3	1990	253	27	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	277	50	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	236	47	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-4	1990	234	35	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	208	50	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	171	46	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-1	1990	4,163	427	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
	1989	4,027	472	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
	1988	3,640	505	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
3-2	1990	4,163	427	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
	1989	4,027	472	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
	1988	3,640	505	117.9	0.333	(0.040)	2.094	(0.313)	1.038	(0.040)
3-3	1990	2,635	314	104.8	0.345	(0.042)	1.938	(0.281)	0.931	(0.046)
	1989	2,291	284	104.8	0.345	(0.042)	1.938	(0.281)	0.931	(0.046)
	1988	2,209	308	104.8	0.345	(0.042)	1.938	(0.281)	0.931	(0.046)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

	YEAR	NUMBER	NUMBER	CHI	RELATIVE RISK					
ANALYTICAL		OF	OF	SQUARE	INITIAL				LONG TERM	
CATEGORY		CASES	DEATHS		EXCESS		PERSISTENCE			
PROCEDURE: INITIAL PACEMAKER INSERTION										
3-4	1990	719	122	54.8	0.544	(0.072)	1.400	(0.198)	0.658	(0.069)
	1989	598	114	54.8	0.544	(0.072)	1.400	(0.198)	0.658	(0.069)
	1988	612	93	54.8	0.544	(0.072)	1.400	(0.198)	0.658	(0.069)
4-0	1990	97	18	34.4	0.445	(0.129)	1.175	(0.339)	0.449	(0.132)
	1989	91	15	34.4	0.445	(0.129)	1.175	(0.339)	0.449	(0.132)
	1988	101	18	34.4	0.445	(0.129)	1.175	(0.339)	0.449	(0.132)
4-1	1990	11,414	1,369	1439.8	0.198	(0.010)	2.777	(0.160)	0.841	(0.020)
	1989	11,126	1,497	1439.8	0.198	(0.010)	2.777	(0.160)	0.841	(0.020)
	1988	9,433	1,345	1439.8	0.198	(0.010)	2.777	(0.160)	0.841	(0.020)
4-2	1990	675	157	29.0	0.411	(0.076)	1.654	(0.290)	0.976	(0.135)
	1989	581	178	20.8	0.507	(0.091)	1.746	(0.327)	1.199	(0.158)
	1988	568	183	5.7	1.000	(.)	1.000	(.)	1.000	(.)
4-3	1990	421	115	20.1	0.515	(0.081)	1.579	(0.273)	0.966	(0.087)
	1989	362	112	20.1	0.515	(0.081)	1.579	(0.273)	0.966	(0.087)
	1988	295	88	20.1	0.515	(0.081)	1.579	(0.273)	0.966	(0.087)
4-4	1990	280	73	53.0	0.345	(0.061)	1.648	(0.319)	1.012	(0.124)
	1989	237	76	53.0	0.345	(0.061)	1.648	(0.319)	1.012	(0.124)
	1988	208	65	53.0	0.345	(0.061)	1.648	(0.319)	1.012	(0.124)
4-5	1990	2,569	730	344.2	0.419	(0.022)	2.007	(0.124)	0.756	(0.031)
	1989	2,331	775	344.2	0.419	(0.022)	2.007	(0.124)	0.756	(0.031)
	1988	1,942	678	344.2	0.419	(0.022)	2.007	(0.124)	0.756	(0.031)
5-0	1990	32	10	27.0	0.308	(0.088)	1.767	(0.507)	0.526	(0.222)
	1989	32	10	27.0	0.308	(0.088)	1.767	(0.507)	0.526	(0.222)
	1988	46	20	27.0	0.308	(0.088)	1.767	(0.507)	0.526	(0.222)
5-1	1990	665	130	236.2	0.238	(0.027)	2.092	(0.261)	0.796	(0.070)
	1989	653	154	236.2	0.238	(0.027)	2.092	(0.261)	0.796	(0.070)
	1988	586	161	236.2	0.238	(0.027)	2.092	(0.261)	0.796	(0.070)
5-2	1990	1,580	516	350.7	0.236	(0.020)	3.128	(0.274)	0.921	(0.106)
	1989	1,595	563	311.6	0.278	(0.022)	2.567	(0.195)	1.023	(0.091)
	1988	2,022	919	84.0	0.686	(0.043)	1.462	(0.093)	1.368	(0.101)
5-3	1990	379	143	284.2	0.304	(0.022)	2.963	(0.238)	0.777	(0.070)
	1989	627	255	284.2	0.304	(0.022)	2.963	(0.238)	0.777	(0.070)
	1988	683	355	284.2	0.304	(0.022)	2.963	(0.238)	0.777	(0.070)
5-4	1990	488	155	460.4	0.072	(0.014)	2.577	(0.483)	0.753	(0.102)
	1989	344	135	389.8	0.103	(0.021)	1.796	(0.359)	0.698	(0.104)
	1988	386	191	289.3	0.334	(0.072)	0.727	(0.200)	0.929	(0.128)
PROCEDURE: CAROTID ENDARTERECTOMY										
1-3	1990	79	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	109	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	123	7	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-4	1990	21	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	13	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	21	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-2	1990	22,334	1,201	38.2	0.958	(0.054)	0.945	(0.058)	0.910	(0.020)
	1989	22,132	1,287	38.2	0.958	(0.054)	0.945	(0.058)	0.910	(0.020)
	1988	23,103	1,455	38.2	0.958	(0.054)	0.945	(0.058)	0.910	(0.020)
2-3	1990	820	64	20.9	2.251	(0.528)	0.726	(0.154)	0.682	(0.072)
	1989	831	45	20.9	2.251	(0.528)	0.726	(0.154)	0.682	(0.072)
	1988	937	69	20.9	2.251	(0.528)	0.726	(0.154)	0.682	(0.072)
2-4	1990	6,736	485	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	6,491	529	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	6,578	542	0.0	1.000	(.)	1.000	(.)	1.000	(.)
PROCEDURE: HIP REPLACEMENT/RECONSTRUCTION										
1-1	1990	32	2	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	49	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	57	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-2	1990	42,944	849	22.4	0.995	(0.054)	0.984	(0.057)	0.889	(0.025)
	1989	38,166	803	22.4	0.995	(0.054)	0.984	(0.057)	0.889	(0.025)
	1988	37,126	851	22.4	0.995	(0.054)	0.984	(0.057)	0.889	(0.025)
1-3	1990	2,376	134	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	2,306	125	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	2,275	131	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-4	1990	15,503	542	46.9	1.054	(0.075)	0.882	(0.084)	0.820	(0.032)
	1989	14,804	557	46.9	1.054	(0.075)	0.882	(0.084)	0.820	(0.032)
	1988	14,257	573	46.9	1.054	(0.075)	0.882	(0.084)	0.820	(0.032)
2-1	1990	61	10	23.8	3.866	(1.381)	1.189	(0.472)	1.202	(0.420)
	1989	59	13	23.8	3.866	(1.381)	1.189	(0.472)	1.202	(0.420)
	1988	58	13	23.8	3.866	(1.381)	1.189	(0.472)	1.202	(0.420)
2-2	1990	569	28	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	227	22	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	227	18	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-3	1990	77	17	39.9	1.488	(0.455)	3.581	(1.436)	1.519	(0.570)
	1989	57	21	39.9	1.488	(0.455)	3.581	(1.436)	1.519	(0.570)
	1988	69	23	39.9	1.488	(0.455)	3.581	(1.436)	1.519	(0.570)
2-4	1990	575	48	15.9	0.781	(0.137)	2.085	(0.587)	0.456	(0.138)
	1989	595	45	15.9	0.781	(0.137)	2.085	(0.587)	0.456	(0.138)
	1988	593	43	15.9	0.781	(0.137)	2.085	(0.587)	0.456	(0.138)
3-1	1990	37	12	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)
	1989	33	5	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)
	1988	52	18	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
PROCEDURE: HIP REPLACEMENT/RECONSTRUCTION										
3-2	1990	37	12	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)
	1989	33	5	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)
	1988	52	18	23.4	1.677	(0.502)	3.246	(1.180)	0.807	(0.533)
3-3	1990	1,784	490	18.6	0.862	(0.056)	1.478	(0.145)	0.836	(0.050)
	1989	2,486	586	18.6	0.862	(0.056)	1.478	(0.145)	0.836	(0.050)
	1988	2,478	532	18.6	0.862	(0.056)	1.478	(0.145)	0.836	(0.050)
3-4	1990	54,172	9,366	58.7	0.902	(0.013)	1.075	(0.017)	0.974	(0.011)
	1989	51,379	9,573	58.7	0.902	(0.013)	1.075	(0.017)	0.974	(0.011)
	1988	50,877	9,597	58.7	0.902	(0.013)	1.075	(0.017)	0.974	(0.011)
4-0	1990	103	25	23.7	0.394	(0.116)	1.553	(0.597)	0.579	(0.198)
	1989	106	19	23.7	0.394	(0.116)	1.553	(0.597)	0.579	(0.198)
	1988	128	19	23.7	0.394	(0.116)	1.553	(0.597)	0.579	(0.198)
4-1	1990	2,572	589	41.0	1.151	(0.062)	1.055	(0.063)	1.118	(0.053)
	1989	2,470	580	41.0	1.151	(0.062)	1.055	(0.063)	1.118	(0.053)
	1988	2,456	644	41.0	1.151	(0.062)	1.055	(0.063)	1.118	(0.053)
4-2	1990	260	52	14.7	0.553	(0.091)	1.746	(0.338)	0.787	(0.133)
	1989	317	75	14.7	0.553	(0.091)	1.746	(0.338)	0.787	(0.133)
	1988	300	60	14.7	0.553	(0.091)	1.746	(0.338)	0.787	(0.133)
4-3	1990	94	29	40.9	0.340	(0.086)	7.813	(3.243)	0.749	(0.350)
	1989	91	32	40.9	0.340	(0.086)	7.813	(3.243)	0.749	(0.350)
	1988	90	31	40.9	0.340	(0.086)	7.813	(3.243)	0.749	(0.350)
4-4	1990	40	16	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	51	15	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	48	22	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-5	1990	70	31	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	54	22	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	59	28	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-0	1990	16	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	13	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	21	3	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-1	1990	120	57	72.0	0.435	(0.081)	4.109	(1.120)	1.235	(0.390)
	1989	91	48	72.0	0.435	(0.081)	4.109	(1.120)	1.235	(0.390)
	1988	83	23	72.0	0.435	(0.081)	4.109	(1.120)	1.235	(0.390)
5-2	1990	78	29	46.7	0.373	(0.063)	3.245	(0.607)	0.788	(0.277)
	1989	82	36	46.7	0.373	(0.063)	3.245	(0.607)	0.788	(0.277)
	1988	76	38	46.7	0.373	(0.063)	3.245	(0.607)	0.788	(0.277)
5-3	1990	100	52	84.9	0.337	(0.058)	4.321	(0.764)	0.730	(0.233)
	1989	88	38	84.9	0.337	(0.058)	4.321	(0.764)	0.730	(0.233)
	1988	84	38	84.9	0.337	(0.058)	4.321	(0.764)	0.730	(0.233)
5-4	1990	308	180	125.4	0.280	(0.044)	2.929	(0.603)	0.897	(0.084)
	1989	288	175	125.4	0.280	(0.044)	2.929	(0.603)	0.897	(0.084)
	1988	305	199	125.4	0.280	(0.044)	2.929	(0.603)	0.897	(0.084)
PROCEDURE: OPEN REDUCTION OF HIP FRACTURE										
1-4	1990	13	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	24	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	29	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-3	1990	1,140	215	31.0	1.342	(0.121)	1.177	(0.122)	0.909	(0.065)
	1989	1,075	241	31.0	1.342	(0.121)	1.177	(0.122)	0.909	(0.065)
	1988	1,175	257	31.0	1.342	(0.121)	1.177	(0.122)	0.909	(0.065)
3-4	1990	15,091	2,337	206.3	0.720	(0.022)	1.084	(0.037)	0.963	(0.019)
	1989	14,894	2,464	206.3	0.720	(0.022)	1.084	(0.037)	0.963	(0.019)
	1988	14,808	2,640	206.3	0.720	(0.022)	1.084	(0.037)	0.963	(0.019)
4-0	1990	115	24	11.3	0.710	(0.151)	1.107	(0.241)	0.641	(0.146)
	1989	128	37	11.3	0.710	(0.151)	1.107	(0.241)	0.641	(0.146)
	1988	111	29	11.3	0.710	(0.151)	1.107	(0.241)	0.641	(0.146)
4-1	1990	63,577	12,205	225.5	0.844	(0.011)	1.094	(0.015)	0.977	(0.010)
	1989	62,029	12,729	225.5	0.844	(0.011)	1.094	(0.015)	0.977	(0.010)
	1988	62,079	12,866	225.5	0.844	(0.011)	1.094	(0.015)	0.977	(0.010)
PROCEDURE: PROSTATECTOMY										
1-1	1990	777	23	22.0	0.415	(0.100)	9.437	(5.991)	0.961	(0.209)
	1989	788	40	22.0	0.415	(0.100)	9.437	(5.991)	0.961	(0.209)
	1988	913	46	22.0	0.415	(0.100)	9.437	(5.991)	0.961	(0.209)
1-2	1990	134,136	4,904	80.9	0.878	(0.024)	0.971	(0.040)	0.961	(0.009)
	1989	137,926	6,149	80.9	0.878	(0.024)	0.971	(0.040)	0.961	(0.009)
	1988	143,946	6,696	80.9	0.878	(0.024)	0.971	(0.040)	0.961	(0.009)
1-3	1990	3,001	187	41.2	0.462	(0.091)	1.231	(0.496)	0.935	(0.050)
	1989	3,141	206	41.2	0.462	(0.091)	1.231	(0.496)	0.935	(0.050)
	1988	3,340	204	41.2	0.462	(0.091)	1.231	(0.496)	0.935	(0.050)
1-4	1990	5,135	297	72.8	0.526	(0.059)	1.431	(0.303)	0.882	(0.040)
	1989	5,392	369	72.8	0.526	(0.059)	1.431	(0.303)	0.882	(0.040)
	1988	5,089	365	72.8	0.526	(0.059)	1.431	(0.303)	0.882	(0.040)
2-1	1990	1,062	102	70.4	0.202	(0.092)	1.118	(0.448)	0.883	(0.061)
	1989	1,066	108	70.4	0.202	(0.092)	1.118	(0.448)	0.883	(0.061)
	1988	1,079	104	70.4	0.202	(0.092)	1.118	(0.448)	0.883	(0.061)
2-2	1990	723	79	64.3	0.198	(0.075)	2.788	(2.657)	0.829	(0.150)
	1989	745	70	64.3	0.198	(0.075)	2.788	(2.657)	0.829	(0.150)
	1988	804	89	64.3	0.198	(0.075)	2.788	(2.657)	0.829	(0.150)
2-3	1990	1,250	153	103.6	0.173	(0.079)	1.265	(0.525)	0.854	(0.042)
	1989	1,374	212	103.6	0.173	(0.079)	1.265	(0.525)	0.854	(0.042)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
PROCEDURE: PROSTATECTOMY										
2-3	1988	1,613	234	103.6	0.173	(0.079)	1.265	(0.525)	0.854	(0.042)
2-4	1990	1,508	198	128.2	0.328	(0.053)	1.821	(0.578)	0.845	(0.055)
	1989	1,571	224	128.2	0.328	(0.053)	1.821	(0.578)	0.845	(0.055)
	1988	1,500	201	128.2	0.328	(0.053)	1.821	(0.578)	0.845	(0.055)
3-1	1990	49,421	3,928	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
	1989	46,928	4,651	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
	1988	45,536	4,869	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
3-2	1990	49,421	3,928	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
	1989	46,928	4,651	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
	1988	45,536	4,869	3544.9	0.137	(0.010)	1.606	(0.136)	0.866	(0.009)
3-3	1990	1,375	227	201.1	0.296	(0.043)	2.302	(0.606)	0.689	(0.054)
	1989	1,403	253	201.1	0.296	(0.043)	2.302	(0.606)	0.689	(0.054)
	1988	1,550	267	201.1	0.296	(0.043)	2.302	(0.606)	0.689	(0.054)
3-4	1990	2,536	406	696.1	0.222	(0.024)	2.177	(0.394)	0.653	(0.037)
	1989	2,588	476	696.1	0.222	(0.024)	2.177	(0.394)	0.653	(0.037)
	1988	2,661	518	696.1	0.222	(0.024)	2.177	(0.394)	0.653	(0.037)
4-0	1990	191	38	110.4	0.101	(0.029)	16.421	(17.231)	0.492	(0.180)
	1989	190	39	110.4	0.101	(0.029)	16.421	(17.231)	0.492	(0.180)
	1988	216	55	110.4	0.101	(0.029)	16.421	(17.231)	0.492	(0.180)
4-1	1990	1,230	186	453.9	0.141	(0.014)	11.354	(2.519)	0.258	(0.072)
	1989	1,194	181	453.9	0.141	(0.014)	11.354	(2.519)	0.258	(0.072)
	1988	1,310	194	453.9	0.141	(0.014)	11.354	(2.519)	0.258	(0.072)
4-2	1990	783	108	376.2	0.113	(0.018)	4.472	(1.387)	0.540	(0.087)
	1989	793	127	376.2	0.113	(0.018)	4.472	(1.387)	0.540	(0.087)
	1988	826	137	376.2	0.113	(0.018)	4.472	(1.387)	0.540	(0.087)
4-3	1990	2,071	301	1109.1	0.139	(0.016)	2.862	(0.522)	0.507	(0.034)
	1989	2,057	360	1109.1	0.139	(0.016)	2.862	(0.522)	0.507	(0.034)
	1988	2,128	398	1109.1	0.139	(0.016)	2.862	(0.522)	0.507	(0.034)
4-4	1990	728	208	388.8	0.235	(0.028)	2.311	(0.440)	0.660	(0.065)
	1989	756	225	388.8	0.235	(0.028)	2.311	(0.440)	0.660	(0.065)
	1988	798	245	388.8	0.235	(0.028)	2.311	(0.440)	0.660	(0.065)
4-5	1990	1,001	317	460.8	0.209	(0.020)	2.776	(0.353)	0.712	(0.046)
	1989	999	330	460.8	0.209	(0.020)	2.776	(0.353)	0.712	(0.046)
	1988	961	349	460.8	0.209	(0.020)	2.776	(0.353)	0.712	(0.046)
5-0	1990	58	21	152.5	0.037	(0.021)	5.699	(3.199)	0.842	(0.197)
	1989	102	22	152.5	0.037	(0.021)	5.699	(3.199)	0.842	(0.197)
	1988	71	31	152.5	0.037	(0.021)	5.699	(3.199)	0.842	(0.197)
5-1	1990	795	176	742.5	0.087	(0.009)	10.468	(3.035)	0.275	(0.134)
	1989	759	192	742.5	0.087	(0.009)	10.468	(3.035)	0.275	(0.134)
	1988	766	184	742.5	0.087	(0.009)	10.468	(3.035)	0.275	(0.134)
5-2	1990	376	92	467.0	0.099	(0.017)	3.799	(0.921)	0.655	(0.090)
	1989	385	108	467.0	0.099	(0.017)	3.799	(0.921)	0.655	(0.090)
	1988	412	110	467.0	0.099	(0.017)	3.799	(0.921)	0.655	(0.090)
5-3	1990	1,493	316	2633.3	0.076	(0.007)	2.937	(0.325)	0.486	(0.030)
	1989	1,441	386	2633.3	0.076	(0.007)	2.937	(0.325)	0.486	(0.030)
	1988	1,394	358	2633.3	0.076	(0.007)	2.937	(0.325)	0.486	(0.030)
5-4	1990	608	290	931.6	0.117	(0.018)	1.838	(0.307)	0.857	(0.042)
	1989	637	332	931.6	0.117	(0.018)	1.838	(0.307)	0.857	(0.042)
	1988	682	365	931.6	0.117	(0.018)	1.838	(0.307)	0.857	(0.042)
PROCEDURE: CHOLECYSTECTOMY										
1-1	1990	177	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	178	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	143	5	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-2	1990	344	24	18.0	1.701	(0.449)	1.429	(0.406)	1.417	(0.284)
	1989	370	19	18.0	1.701	(0.449)	1.429	(0.406)	1.417	(0.284)
	1988	333	28	18.0	1.701	(0.449)	1.429	(0.406)	1.417	(0.284)
1-3	1990	164	15	17.4	2.397	(0.900)	0.984	(0.706)	1.739	(0.444)
	1989	160	13	17.4	2.397	(0.900)	0.984	(0.706)	1.739	(0.444)
	1988	160	19	17.4	2.397	(0.900)	0.984	(0.706)	1.739	(0.444)
1-4	1990	50,074	1,845	34.2	0.986	(0.031)	0.977	(0.036)	0.910	(0.019)
	1989	49,816	2,076	34.2	0.986	(0.031)	0.977	(0.036)	0.910	(0.019)
	1988	51,113	2,288	34.2	0.986	(0.031)	0.977	(0.036)	0.910	(0.019)
2-1	1990	395	37	43.2	2.759	(0.520)	1.015	(0.187)	1.129	(0.165)
	1989	382	42	43.2	2.759	(0.520)	1.015	(0.187)	1.129	(0.165)
	1988	402	63	43.2	2.759	(0.520)	1.015	(0.187)	1.129	(0.165)
2-2	1990	42,149	2,219	178.5	0.943	(0.026)	1.032	(0.029)	0.795	(0.016)
	1989	41,500	2,550	178.5	0.943	(0.026)	1.032	(0.029)	0.795	(0.016)
	1988	40,095	2,609	178.5	0.943	(0.026)	1.032	(0.029)	0.795	(0.016)
2-3	1990	175	39	28.2	1.616	(0.358)	2.046	(0.579)	1.001	(0.270)
	1989	183	20	28.2	1.616	(0.358)	2.046	(0.579)	1.001	(0.270)
	1988	230	46	28.2	1.616	(0.358)	2.046	(0.579)	1.001	(0.270)
2-4	1990	575	90	40.9	2.038	(0.284)	0.841	(0.127)	1.253	(0.145)
	1989	586	75	40.9	2.038	(0.284)	0.841	(0.127)	1.253	(0.145)
	1988	562	92	40.9	2.038	(0.284)	0.841	(0.127)	1.253	(0.145)
3-1	1990	270	44	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)
	1989	250	46	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)
	1988	220	34	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)
3-2	1990	270	44	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)
	1989	250	46	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)
	1988	220	34	45.0	1.449	(0.246)	2.111	(0.382)	0.689	(0.166)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
PROCEDURE: CHOLECYSTECTOMY										
3-3	1990	323	64	47.4	1.704	(0.228)	1.506	(0.242)	0.800	(0.142)
	1989	359	92	47.4	1.704	(0.228)	1.506	(0.242)	0.800	(0.142)
	1988	318	68	47.4	1.704	(0.228)	1.506	(0.242)	0.800	(0.142)
3-4	1990	1,068	169	25.9	1.124	(0.099)	1.301	(0.124)	0.664	(0.071)
	1989	1,064	194	25.9	1.124	(0.099)	1.301	(0.124)	0.664	(0.071)
	1988	989	168	25.9	1.124	(0.099)	1.301	(0.124)	0.664	(0.071)
4-0	1990	556	136	42.7	1.034	(0.096)	0.895	(0.082)	0.602	(0.064)
	1989	543	144	42.7	1.034	(0.096)	0.895	(0.082)	0.602	(0.064)
	1988	591	147	42.7	1.034	(0.096)	0.895	(0.082)	0.602	(0.064)
4-1	1990	3,835	490	172.1	0.783	(0.037)	1.669	(0.079)	0.529	(0.037)
	1989	3,745	537	172.1	0.783	(0.037)	1.669	(0.079)	0.529	(0.037)
	1988	3,306	485	172.1	0.783	(0.037)	1.669	(0.079)	0.529	(0.037)
4-2	1990	2,047	337	48.2	0.782	(0.047)	1.404	(0.085)	0.698	(0.050)
	1989	1,993	345	48.2	0.782	(0.047)	1.404	(0.085)	0.698	(0.050)
	1988	1,979	362	48.2	0.782	(0.047)	1.404	(0.085)	0.698	(0.050)
4-3	1990	453	98	45.7	0.723	(0.083)	2.176	(0.312)	0.525	(0.083)
	1989	426	102	45.7	0.723	(0.083)	2.176	(0.312)	0.525	(0.083)
	1988	439	112	45.7	0.723	(0.083)	2.176	(0.312)	0.525	(0.083)
4-4	1990	1,371	366	228.1	0.543	(0.039)	1.213	(0.112)	0.717	(0.044)
	1989	1,365	406	228.1	0.543	(0.039)	1.213	(0.112)	0.717	(0.044)
	1988	1,430	450	228.1	0.543	(0.039)	1.213	(0.112)	0.717	(0.044)
4-5	1990	209	89	52.7	1.057	(0.112)	1.965	(0.242)	0.710	(0.133)
	1989	182	83	52.7	1.057	(0.112)	1.965	(0.242)	0.710	(0.133)
	1988	194	105	52.7	1.057	(0.112)	1.965	(0.242)	0.710	(0.133)
5-0	1990	269	135	100.0	0.401	(0.038)	2.454	(0.285)	0.881	(0.129)
	1989	285	142	100.0	0.401	(0.038)	2.454	(0.285)	0.881	(0.129)
	1988	285	139	100.0	0.401	(0.038)	2.454	(0.285)	0.881	(0.129)
5-1	1990	298	102	141.0	0.552	(0.054)	3.286	(0.367)	0.638	(0.138)
	1989	268	98	141.0	0.552	(0.054)	3.286	(0.367)	0.638	(0.138)
	1988	249	112	141.0	0.552	(0.054)	3.286	(0.367)	0.638	(0.138)
5-2	1990	1,173	504	421.8	0.441	(0.019)	2.315	(0.123)	0.464	(0.055)
	1989	1,224	487	421.8	0.441	(0.019)	2.315	(0.123)	0.464	(0.055)
	1988	1,130	449	421.8	0.441	(0.019)	2.315	(0.123)	0.464	(0.055)
5-3	1990	1,394	669	457.6	0.471	(0.023)	2.204	(0.120)	0.609	(0.036)
	1989	1,267	696	457.6	0.471	(0.023)	2.204	(0.120)	0.609	(0.036)
	1988	1,289	722	457.6	0.471	(0.023)	2.204	(0.120)	0.609	(0.036)
5-4	1990	2,335	1,297	1917.4	0.228	(0.014)	2.168	(0.171)	0.717	(0.019)
	1989	2,268	1,411	1917.4	0.228	(0.014)	2.168	(0.171)	0.717	(0.019)
	1988	2,266	1,430	1917.4	0.228	(0.014)	2.168	(0.171)	0.717	(0.019)
PROCEDURE: HYSTERECTOMY										
1-1	1990	23,834	185	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	22,543	222	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	22,638	243	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-2	1990	7,604	97	17.2	0.909	(0.128)	0.914	(0.144)	0.775	(0.061)
	1989	6,988	102	17.2	0.909	(0.128)	0.914	(0.144)	0.775	(0.061)
	1988	6,944	105	17.2	0.909	(0.128)	0.914	(0.144)	0.775	(0.061)
1-3	1990	1,454	16	62.7	1.046	(0.371)	0.820	(0.474)	0.322	(0.067)
	1989	1,330	20	62.7	1.046	(0.371)	0.820	(0.474)	0.322	(0.067)
	1988	1,336	25	62.7	1.046	(0.371)	0.820	(0.474)	0.322	(0.067)
1-4	1990	4,677	68	30.5	0.760	(0.166)	0.699	(0.180)	0.806	(0.078)
	1989	4,281	75	30.5	0.760	(0.166)	0.699	(0.180)	0.806	(0.078)
	1988	4,319	66	30.5	0.760	(0.166)	0.699	(0.180)	0.806	(0.078)
2-1	1990	342	10	14.0	0.426	(0.281)	0.954	(0.565)	0.561	(0.164)
	1989	353	7	14.0	0.426	(0.281)	0.954	(0.565)	0.561	(0.164)
	1988	318	6	14.0	0.426	(0.281)	0.954	(0.565)	0.561	(0.164)
2-2	1990	236	11	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	233	24	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	239	24	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-3	1990	10,181	576	791.8	0.188	(0.028)	1.462	(0.303)	0.750	(0.023)
	1989	9,902	664	791.8	0.188	(0.028)	1.462	(0.303)	0.750	(0.023)
	1988	9,837	675	791.8	0.188	(0.028)	1.462	(0.303)	0.750	(0.023)
2-4	1990	406	30	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	390	36	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	394	35	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-1	1990	20	0	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	18	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	31	3	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-2	1990	20	0	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	18	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	31	3	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-3	1990	85	7	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	66	8	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	61	12	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-4	1990	345	39	15.6	0.606	(0.159)	1.256	(0.446)	0.734	(0.120)
	1989	344	42	15.6	0.606	(0.159)	1.256	(0.446)	0.734	(0.120)
	1988	352	64	15.6	0.606	(0.159)	1.256	(0.446)	0.734	(0.120)
4-0	1990	274	73	50.4	0.317	(0.050)	9.005	(3.970)	0.337	(0.183)
	1989	255	72	50.4	0.317	(0.050)	9.005	(3.970)	0.337	(0.183)
	1988	241	71	50.4	0.317	(0.050)	9.005	(3.970)	0.337	(0.183)

TABLE A-4C

RELATIVE RISK BY DISPLAY AND ANALYTICAL CATEGORY

ANALYTICAL CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK INITIAL EXCESS		RELATIVE RISK INITIAL PERSISTENCE		RELATIVE RISK LONG TERM	
				PROCEDURE: HYSTERECTOMY						
4-1	1990	43	4	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	42	9	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	44	13	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-2	1990	227	32	43.4	0.380	(0.115)	1.352	(0.624)	0.678	(0.125)
	1989	208	52	43.4	0.380	(0.115)	1.352	(0.624)	0.678	(0.125)
	1988	209	40	43.4	0.380	(0.115)	1.352	(0.624)	0.678	(0.125)
4-3	1990	411	43	177.0	0.272	(0.077)	1.248	(0.444)	0.450	(0.057)
	1989	434	51	177.0	0.272	(0.077)	1.248	(0.444)	0.450	(0.057)
	1988	468	63	177.0	0.272	(0.077)	1.248	(0.444)	0.450	(0.057)
4-4	1990	2,572	454	1292.7	0.252	(0.022)	1.273	(0.158)	0.641	(0.033)
	1989	2,248	515	1292.7	0.252	(0.022)	1.273	(0.158)	0.641	(0.033)
	1988	2,127	508	1292.7	0.252	(0.022)	1.273	(0.158)	0.641	(0.033)
4-5	1990	23	10	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	16	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	24	8	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-0	1990	38	10	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	34	8	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	33	16	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-1	1990	11	1	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	24	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	19	6	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-2	1990	444	90	427.0	0.249	(0.036)	1.155	(0.201)	0.529	(0.053)
	1989	432	97	427.0	0.249	(0.036)	1.155	(0.201)	0.529	(0.053)
	1988	440	105	427.0	0.249	(0.036)	1.155	(0.201)	0.529	(0.053)
5-3	1990	58	16	35.5	0.310	(0.077)	3.319	(1.040)	0.365	(0.189)
	1989	44	17	35.5	0.310	(0.077)	3.319	(1.040)	0.365	(0.189)
	1988	60	23	35.5	0.310	(0.077)	3.319	(1.040)	0.365	(0.189)
5-4	1990	58	27	80.5	0.295	(0.094)	1.042	(0.386)	0.681	(0.126)
	1989	54	29	80.5	0.295	(0.094)	1.042	(0.386)	0.681	(0.126)
	1988	66	37	80.5	0.295	(0.094)	1.042	(0.386)	0.681	(0.126)

TABLE A-4D
YEAR OFFSETS BY ANALYTICAL CATEGORY

CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
1-1	1990	306,532	8,153	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	298,030	9,310	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	296,622	9,404	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-2	1990	352,868	10,829	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	339,065	12,509	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	346,455	13,578	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-3	1990	300,110	15,285	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	321,211	18,482	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	349,666	20,361	0.0	1.000	(.)	1.000	(.)	1.000	(.)
1-4	1990	314,139	16,635	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	320,688	19,414	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	330,915	20,331	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-1	1990	292,543	24,070	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	286,461	26,897	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	314,638	29,926	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-2	1990	283,494	24,409	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	280,699	27,074	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	286,189	28,158	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-3	1990	257,585	26,494	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	291,914	34,694	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	321,615	39,296	0.0	1.000	(.)	1.000	(.)	1.000	(.)
2-4	1990	293,675	35,523	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	296,649	40,096	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	273,241	37,341	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-1	1990	364,785	38,320	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	356,091	43,019	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	349,773	43,764	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-2	1990	362,468	58,767	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	352,909	63,235	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	352,403	64,234	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-3	1990	356,381	59,875	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	355,905	65,598	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	362,457	66,886	0.0	1.000	(.)	1.000	(.)	1.000	(.)
3-4	1990	371,765	70,502	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	348,432	72,321	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	339,977	71,242	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-0	1990	42,177	12,635	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	41,721	13,136	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	43,611	13,893	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-1	1990	272,381	50,945	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	259,728	52,554	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	257,094	52,866	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-2	1990	259,001	58,517	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	253,361	60,991	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	243,269	60,317	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-3	1990	290,495	81,888	18.0	1.020	(0.009)	0.977	(0.011)	0.985	(0.006)
	1989	273,980	83,279	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	281,418	86,360	11.9	0.985	(0.009)	1.013	(0.011)	1.014	(0.006)
4-4	1990	187,418	70,197	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	186,647	74,022	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	186,143	75,259	0.0	1.000	(.)	1.000	(.)	1.000	(.)
4-5	1990	299,634	111,890	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	289,952	117,345	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	284,479	117,567	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-0	1990	24,937	12,558	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	24,178	12,938	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	25,130	13,330	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-1	1990	387,004	122,093	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	359,842	122,836	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	346,570	120,555	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-2	1990	303,514	118,411	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1989	301,830	124,497	0.0	1.000	(.)	1.000	(.)	1.000	(.)
	1988	308,400	130,244	0.0	1.000	(.)	1.000	(.)	1.000	(.)
5-3	1990	304,057	139,818	322.7	1.099	(0.006)	0.918	(0.006)	0.991	(0.006)
	1989	320,250	155,477	77.1	0.956	(0.005)	1.041	(0.006)	1.001	(0.005)
	1988	321,866	157,505	63.8	0.962	(0.005)	1.036	(0.006)	1.005	(0.005)
5-4	1990	315,336	212,070	111.3	0.995	(0.004)	1.031	(0.005)	1.019	(0.005)
	1989	282,605	200,700	33.2	1.021	(0.005)	0.974	(0.005)	0.993	(0.005)
	1988	272,986	196,725	66.4	0.988	(0.004)	0.987	(0.006)	0.991	(0.005)

TABLE A-4E
YEAR OFFSETS BY DISPLAY CATEGORY

CATEGORY	YEAR	NUMBER OF CASES	NUMBER OF DEATHS	CHI SQUARE	RELATIVE RISK					
					INITIAL				LONG TERM	
					EXCESS		PERSISTENCE			
ALL CAUSES	1990	6,542,299	1379884	2.3	1.003	(0.002)	0.997	(0.002)	1.000	(0.002)
	1989	6,442,148	1450424	0.3	1.000	(0.002)	1.000	(0.002)	0.999	(0.001)
	1988	6,494,917	1469142	3.9	0.997	(0.002)	1.003	(0.002)	1.001	(0.001)
CONDITIONS										
ACUTE MYOCARDIAL INFARCTION	1990	204,673	71,803	0.0	1.000	(0.007)	1.000	(0.007)	1.000	(0.008)
	1989	204,773	76,596	0.0	1.000	(0.007)	1.000	(0.007)	1.000	(0.008)
	1988	206,472	80,198	0.0	1.000	(0.006)	1.000	(0.006)	1.000	(0.008)
CONGESTIVE HEART FAILURE	1990	335,426	122,264	3.7	1.010	(0.007)	0.985	(0.008)	1.002	(0.005)
	1989	324,879	129,023	0.5	0.996	(0.007)	1.006	(0.008)	0.998	(0.005)
	1988	318,832	129,750	1.8	0.995	(0.007)	1.009	(0.008)	1.001	(0.005)
PNEUMONIA/INFLUENZA	1990	313,303	95,476	3.6	0.997	(0.007)	0.998	(0.008)	0.993	(0.006)
	1989	284,251	94,663	3.7	0.998	(0.007)	0.998	(0.008)	1.011	(0.006)
	1988	273,808	92,794	3.8	1.007	(0.007)	1.003	(0.008)	1.000	(0.006)
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1990	107,387	25,974	5.8	0.978	(0.015)	1.037	(0.019)	0.979	(0.011)
	1989	96,603	25,064	2.9	0.995	(0.017)	0.980	(0.019)	1.006	(0.010)
	1988	93,204	25,145	4.5	0.998	(0.017)	1.020	(0.020)	1.009	(0.011)
TRANSIENT CEREBRAL ISCHEMIA	1990	96,866	9,450	1.0	0.990	(0.045)	1.039	(0.055)	1.003	(0.014)
	1989	100,935	11,399	1.4	0.988	(0.046)	0.973	(0.052)	1.013	(0.012)
	1988	108,171	12,389	0.7	1.004	(0.043)	0.999	(0.052)	0.991	(0.012)
STROKE	1990	241,803	83,769	1.0	1.005	(0.007)	0.993	(0.007)	1.001	(0.008)
	1989	238,549	88,082	2.4	0.994	(0.007)	1.003	(0.007)	0.992	(0.007)
	1988	238,819	91,082	2.2	1.001	(0.007)	1.003	(0.007)	1.006	(0.007)
HIP FRACTURE	1990	163,386	30,958	0.2	1.006	(0.013)	0.997	(0.015)	1.002	(0.011)
	1989	158,851	32,170	2.3	0.984	(0.013)	1.013	(0.015)	0.991	(0.010)
	1988	158,695	32,867	5.8	0.980	(0.013)	1.015	(0.015)	1.016	(0.010)
SEPSIS	1990	80,999	36,169	1.4	0.989	(0.010)	1.006	(0.012)	0.995	(0.012)
	1989	73,139	34,949	0.8	1.008	(0.011)	0.992	(0.012)	0.997	(0.011)
	1988	68,215	33,270	1.2	1.005	(0.011)	1.000	(0.013)	1.007	(0.012)
PROCEDURES										
ANGIOPLASTY	1990	58,026	3,587	7.6	0.904	(0.035)	1.055	(0.040)	0.994	(0.027)
	1989	47,999	3,317	1.7	1.053	(0.043)	0.969	(0.037)	1.006	(0.027)
	1988	40,115	2,882	5.8	1.091	(0.045)	0.956	(0.036)	0.975	(0.029)
CORONARY ARTERY BYPASS GRAFT	1990	80,798	8,476	3.8	0.963	(0.019)	1.025	(0.019)	0.996	(0.029)
	1989	72,247	7,981	4.4	0.964	(0.020)	1.020	(0.020)	0.973	(0.027)
	1988	67,058	7,872	15.4	1.079	(0.022)	0.961	(0.019)	1.030	(0.029)
INITIAL PACEMAKER INSERTION	1990	49,642	6,201	10.1	0.899	(0.033)	1.055	(0.043)	0.989	(0.020)
	1989	46,610	6,810	5.7	0.918	(0.034)	1.051	(0.042)	1.007	(0.018)
	1988	42,255	6,975	28.0	1.157	(0.037)	0.937	(0.032)	1.026	(0.019)
CAROTID ENDARTERECTOMY	1990	29,990	1,757	1.2	1.006	(0.083)	0.937	(0.084)	1.031	(0.035)
	1989	29,576	1,868	8.8	1.031	(0.083)	0.917	(0.080)	0.937	(0.030)
	1988	30,762	2,074	2.8	1.031	(0.074)	1.068	(0.084)	0.970	(0.031)
HIP REPLACEMENT/RECONSTRUCTION	1990	122,156	12,614	6.8	1.056	(0.023)	0.963	(0.023)	0.992	(0.017)
	1989	114,052	12,857	3.6	0.962	(0.022)	1.034	(0.026)	0.986	(0.016)
	1988	111,945	12,961	4.1	0.968	(0.021)	1.021	(0.025)	1.020	(0.016)
OPEN REDUCTION OF HIP FRACTURE	1990	80,075	14,805	1.6	1.024	(0.020)	0.986	(0.022)	0.994	(0.016)
	1989	78,269	15,497	0.9	0.987	(0.020)	1.011	(0.023)	0.991	(0.015)
	1988	78,329	15,821	1.6	0.988	(0.019)	1.004	(0.022)	1.016	(0.015)
PROSTATECTOMY	1990	211,087	12,659	2.3	1.005	(0.035)	0.952	(0.049)	0.994	(0.012)
	1989	213,058	15,186	0.3	1.010	(0.033)	1.005	(0.047)	1.001	(0.010)
	1988	218,529	16,150	1.0	0.989	(0.031)	1.036	(0.048)	1.003	(0.010)
CHOLECYSTECTOMY	1990	124,259	10,189	4.2	0.986	(0.022)	0.998	(0.024)	0.976	(0.019)
	1989	122,938	11,187	0.8	0.999	(0.022)	1.006	(0.024)	0.985	(0.017)
	1988	122,032	11,663	7.1	1.015	(0.022)	0.997	(0.023)	1.036	(0.018)
HYSTERECTOMY	1990	53,905	1,859	1078.7	0.263	(0.023)	1.284	(0.150)	0.702	(0.025)
	1989	50,805	2,141	797.3	0.380	(0.028)	1.099	(0.098)	0.716	(0.022)
	1988	50,739	2,230	876.1	0.343	(0.027)	1.068	(0.101)	0.762	(0.023)

TABLE A-5A
NUMBER OF HOSPITALS BY ANALYTICAL CATEGORIES AND NUMBER OF CASES

		NUMBER OF CASES				
	YEAR	1-50	51-249	250-699	700+	TOTAL
ALL CATEGORIES	1990	290	1,084	1,455	2,793	5,622
	1989	298	1,118	1,509	2,789	5,714
	1988	286	1,170	1,566	2,799	5,821
1-1	1990	3,693	4	0	0	3,697
	1989	3,742	4	0	0	3,746
	1988	3,882	2	0	0	3,884
1-2	1990	3,004	1,356	23	0	4,383
	1989	3,069	1,320	16	0	4,405
	1988	3,150	1,376	19	0	4,545
1-3	1990	3,427	2	0	0	3,429
	1989	3,503	10	0	0	3,513
	1988	3,582	9	0	0	3,591
1-4	1990	4,386	254	0	0	4,640
	1989	4,503	241	0	0	4,744
	1988	4,579	230	0	0	4,809
2-1	1990	2,988	52	0	0	3,040
	1989	2,978	40	0	0	3,018
	1988	2,961	46	0	0	3,007
2-2	1990	4,213	279	0	0	4,492
	1989	4,323	262	0	0	4,585
	1988	4,397	269	0	0	4,666
2-3	1990	4,799	276	0	0	5,075
	1989	4,857	300	0	0	5,157
	1988	4,943	337	0	0	5,280
2-4	1990	2,597	6	0	0	2,603
	1989	2,628	8	0	0	2,636
	1988	2,656	11	0	0	2,667
3-1	1990	3,395	455	13	0	3,863
	1989	3,538	385	9	0	3,932
	1988	3,626	335	6	0	3,967
3-2	1990	3,315	439	40	1	3,795
	1989	3,406	394	39	1	3,840
	1988	3,523	364	30	0	3,917
3-3	1990	4,583	52	0	0	4,635
	1989	4,632	44	0	0	4,676
	1988	4,705	41	0	0	4,746

TABLE A-5A
NUMBER OF HOSPITALS BY ANALYTICAL CATEGORIES AND NUMBER OF CASES

	YEAR	NUMBER OF CASES 1-50	51-249	250-699	700+	TOTAL
3-4	1990	3,414	1,248	5	0	4,667
	1989	3,581	1,139	3	0	4,723
	1988	3,685	1,104	2	0	4,791
4-0	1990	1,430	0	0	0	1,430
	1989	1,381	0	0	0	1,381
	1988	1,443	0	0	0	1,443
4-1	1990	3,470	1,377	10	0	4,857
	1989	3,542	1,314	4	0	4,860
	1988	3,712	1,283	6	0	5,001
4-2	1990	4,560	571	0	0	5,131
	1989	4,773	447	0	0	5,220
	1988	4,885	398	0	0	5,283
4-3	1990	4,697	182	0	0	4,879
	1989	4,728	119	0	0	4,847
	1988	4,745	93	0	0	4,838
4-4	1990	4,120	29	0	0	4,149
	1989	4,179	28	0	0	4,207
	1988	4,265	24	0	0	4,289
4-5	1990	3,220	2,087	63	0	5,370
	1989	3,373	2,060	50	0	5,483
	1988	3,541	2,004	42	0	5,587
5-0	1990	1,189	0	0	0	1,189
	1989	837	0	0	0	837
	1988	848	0	0	0	848
5-1	1990	2,852	2,468	106	0	5,426
	1989	3,135	2,327	65	0	5,527
	1988	3,309	2,256	56	0	5,621
5-2	1990	3,777	1,516	39	0	5,332
	1989	3,835	1,551	33	0	5,419
	1988	3,915	1,620	29	0	5,564
5-3	1990	4,861	275	0	0	5,136
	1989	4,876	447	0	0	5,323
	1988	5,007	420	1	0	5,428
5-4	1990	4,566	83	0	0	4,649
	1989	3,911	5	0	0	3,916
	1988	3,967	2	0	0	3,969

TABLE A-5B
NUMBER OF HOSPITALS BY CONDITIONS OR PROCEDURES AND NUMBER OF CASES

		NUMBER OF CASES				
	YEAR	1-50	51-249	250-699	700+	TOTAL
ALL CAUSES	1990	290	1,084	1,455	2,793	5,622
	1989	298	1,118	1,509	2,789	5,714
	1988	286	1,170	1,566	2,799	5,821
CONDITIONS						
ACUTE MYOCARDIAL INFARCTION	1990	3,828	1,386	19	0	5,233
	1989	3,932	1,396	16	0	5,344
	1988	4,055	1,397	17	0	5,469
CONGESTIVE HEART FAILURE	1990	3,052	2,251	84	0	5,387
	1989	3,210	2,220	73	0	5,503
	1988	3,363	2,186	60	0	5,609
PNEUMONIA/INFLUENZA	1990	3,014	2,406	22	0	5,442
	1989	3,365	2,168	11	0	5,544
	1988	3,573	2,059	10	0	5,642
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1990	4,771	435	0	0	5,206
	1989	4,949	324	0	0	5,273
	1988	5,074	310	0	0	5,384
TRANSIENT CEREBRAL ISCHEMIA	1990	4,653	404	0	0	5,057
	1989	4,738	420	0	0	5,158
	1988	4,794	495	0	0	5,289
STROKE	1990	3,534	1,772	17	0	5,323
	1989	3,676	1,714	14	0	5,404
	1988	3,790	1,711	15	0	5,516
HIP FRACTURE	1990	3,239	1,195	4	0	4,438
	1989	3,433	1,124	2	0	4,559
	1988	3,535	1,118	1	0	4,654
SEPSIS	1990	4,698	254	0	0	4,952
	1989	4,802	174	0	0	4,976
	1988	4,930	133	0	0	5,063
PROCEDURES						
ANGIOPLASTY	1990	498	406	19	0	923
	1989	524	357	13	0	894
	1988	583	289	8	0	880
CORONARY ARTERY BYPASS GRAFT	1990	300	504	52	0	856
	1989	328	462	39	0	829
	1988	319	448	30	0	797
INITIAL PACEMAKER INSERTION	1990	3,143	112	0	0	3,255
	1989	3,187	91	0	0	3,278
	1988	3,261	83	0	0	3,344
CAROTID ENDARTERECTOMY	1990	2,332	73	0	0	2,405
	1989	2,362	55	0	0	2,417
	1988	2,425	69	0	0	2,494
HIP REPLACEMENT/RECONSTRUCTION	1990	3,176	757	6	0	3,939
	1989	3,321	680	6	0	4,007
	1988	3,402	666	4	0	4,072
OPEN REDUCTION OF HIP FRACTURE	1990	3,723	276	0	0	3,999
	1989	3,837	246	0	0	4,083
	1988	3,902	259	0	0	4,161
PROSTATECTOMY	1990	2,678	1,540	36	0	4,254
	1989	2,736	1,543	27	0	4,306
	1988	2,807	1,587	32	0	4,426
CHOLECYSTECTOMY	1990	4,155	714	0	0	4,869
	1989	4,280	680	0	0	4,960
	1988	4,396	642	0	0	5,038
HYSTERECTOMY	1990	4,184	113	0	0	4,297
	1989	4,263	101	0	0	4,364
	1988	4,391	90	0	0	4,481

Table A-6: Summary of Likelihood Chi-square Increments to the Mortality Model for Core Variables, ICD-9-CM Codes, and Hospitals

	Log Likelihood: Ref.	Cases	LL/Cases	Core	D.F.	ICD-9-CM	D.F.
11	-273,389	901,184	-0.30	33,399	55	1,120	193
12	-368,272	1,038,388	-0.35	37,861	61	956	223
13	-516,113	970,987	-0.53	50,214	61	2,648	433
14	-532,291	965,742	-0.55	65,109	61	3,092	334
	-1,690,066	**3,876,301**	**-0.44**	**186,583**	**238**	**7,816**	**1,183**
21	-726,143	893,642	-0.81	59,396	61	1,108	126
22	-705,537	850,382	-0.83	70,530	64	2,264	225
23	-876,054	871,114	-1.01	75,579	66	3,159	195
24	-965,789	863,565	-1.12	87,667	64	2,482	240
	-3,273,523	**3,478,703**	**-0.94**	**293,172**	**255**	**9,012**	**786**
31	-1,076,650	1,070,649	-1.01	97,893	65	1,515	60
32	-1,527,007	1,067,780	-1.43	212,952	74	16,324	213
33	-1,570,224	1,074,743	-1.46	138,555	69	3,262	201
34	-1,707,458	1,060,174	-1.61	129,331	67	6,118	363
	-5,881,339	**4,273,346**	**-1.38**	**578,731**	**275**	**27,219**	**837**
40	-290,564	127,509	-2.28	19,585	53	0	0
41	-1,223,694	789,203	-1.71	91,542	69	4,751	129
42	-1,350,851	755,631	-1.62	109,288	69	10,798	214
43	-1,866,534	845,893	-2.21	130,531	74	8,100	159
44	-1,542,861	560,208	-2.75	104,017	71	20,942	309
45	-2,423,468	874,065	-2.77	93,683	60	0	0
	-8,697,972	**3,952,509**	**-2.20**	**548,646**	**396**	**44,591**	**811**
50	-238,681	74,245	-3.21	13,743	56	0	0
51	-2,534,618	1,093,416	-2.32	173,162	70	5,832	36
52	-2,347,457	913,744	-2.57	156,296	75	51,775	222
53	-2,890,180	946,173	-3.05	167,872	71	55,400	219
54	-3,472,568	870,927	-3.99	185,050	75	130,070	195
	-11,483,504	**3,898,505**	**-2.95**	**696,123**	**347**	**243,078**	**672**
Total	**-31,026,404**	**19,479,364**	**-1.59**	**2,303,255**	**1,511**	**331,715**	**4,289**

	No. of Hospitals	**# Hosps w/Estimates**	**Chi Sq.**	**D.F.**
FY 90	5,670	5,364	47,592	16032
FY 89	5,763	5,452	48,371	16304
FY 88	5,868	5,568	50,376	16656
Total			**146,340**	**48992**
Pooled	5,727.	5,976	105,060	17126
Diff			41,280	31,866

Figure A-1

INTERCEPT BY ANALYTIC CATEGORY

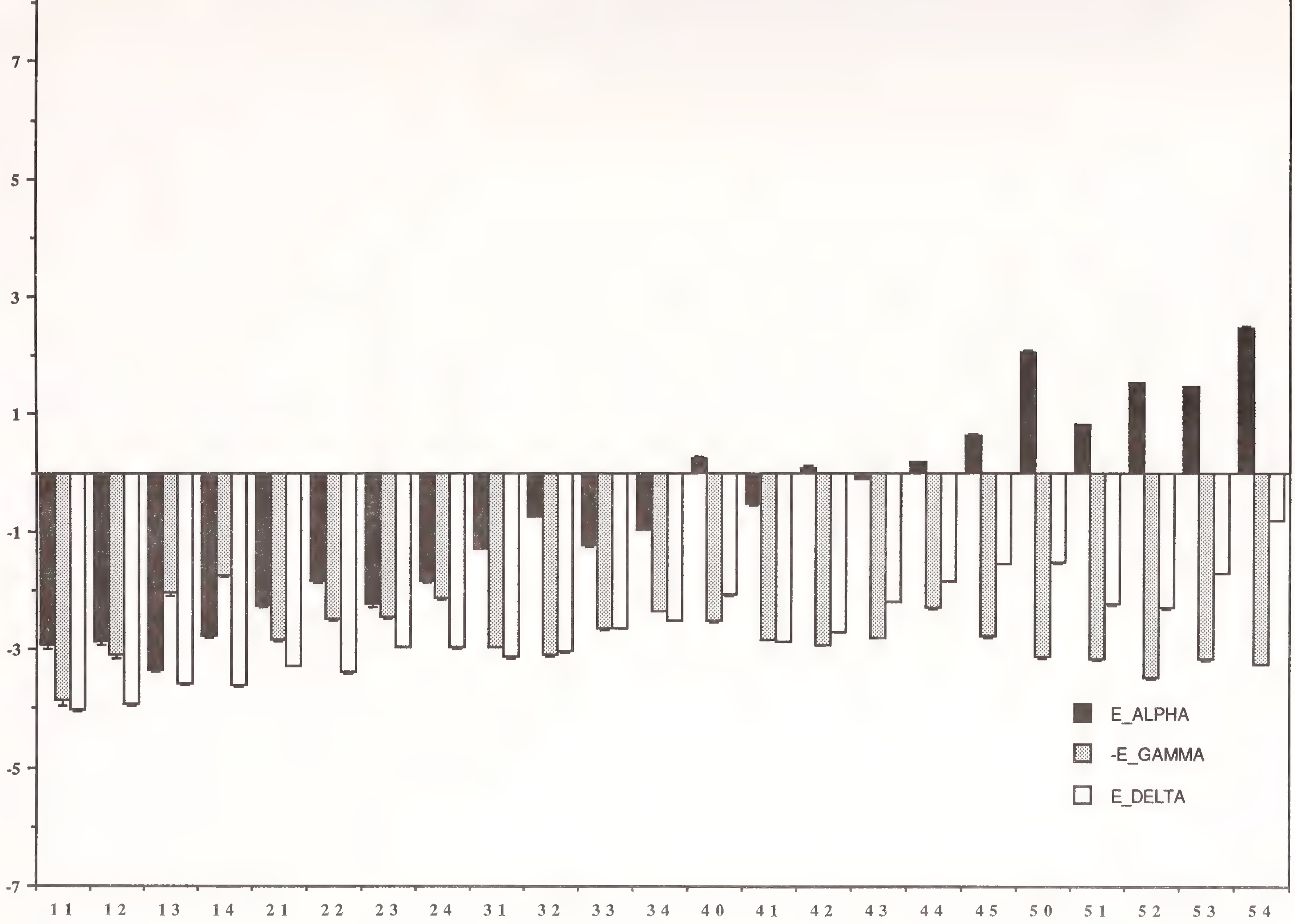
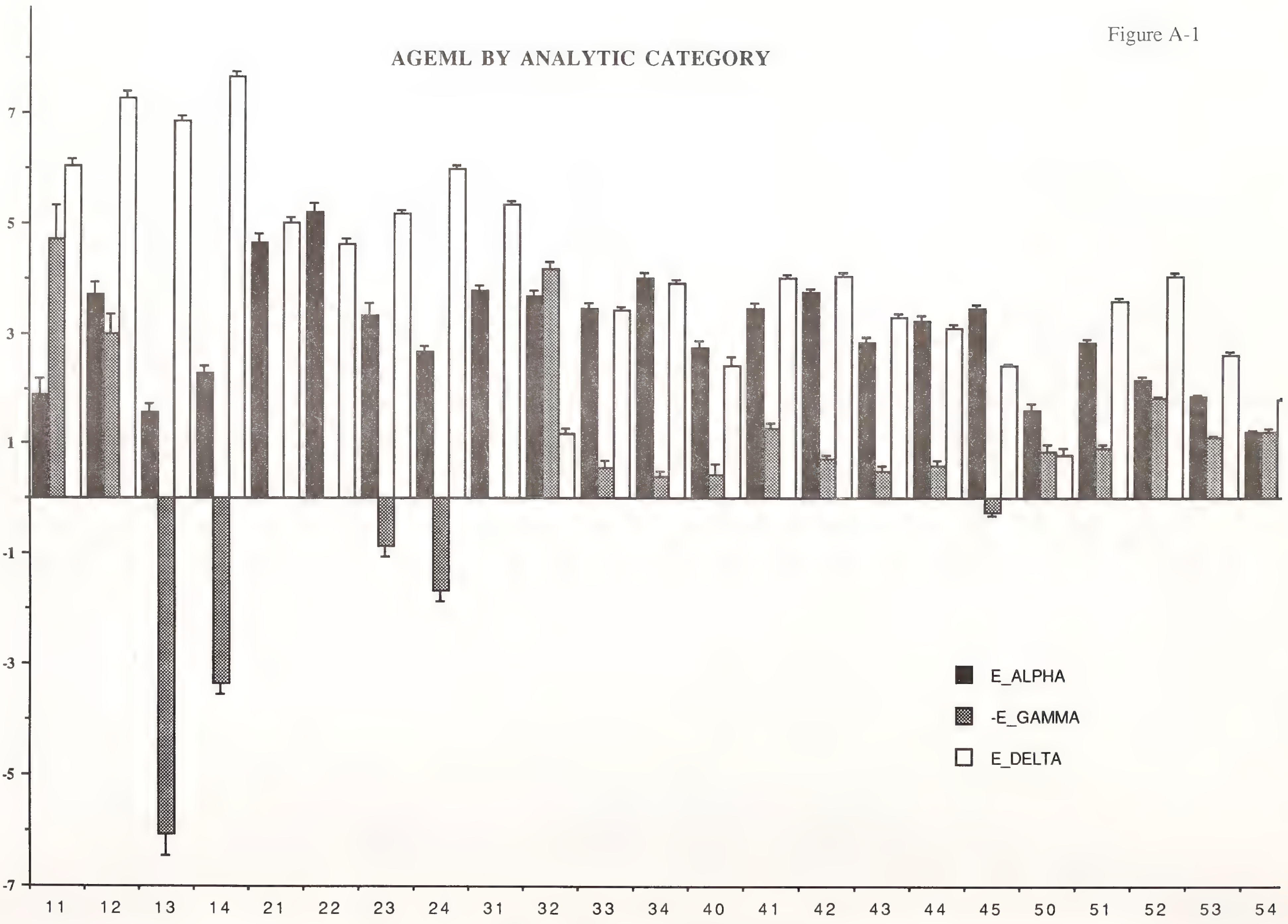
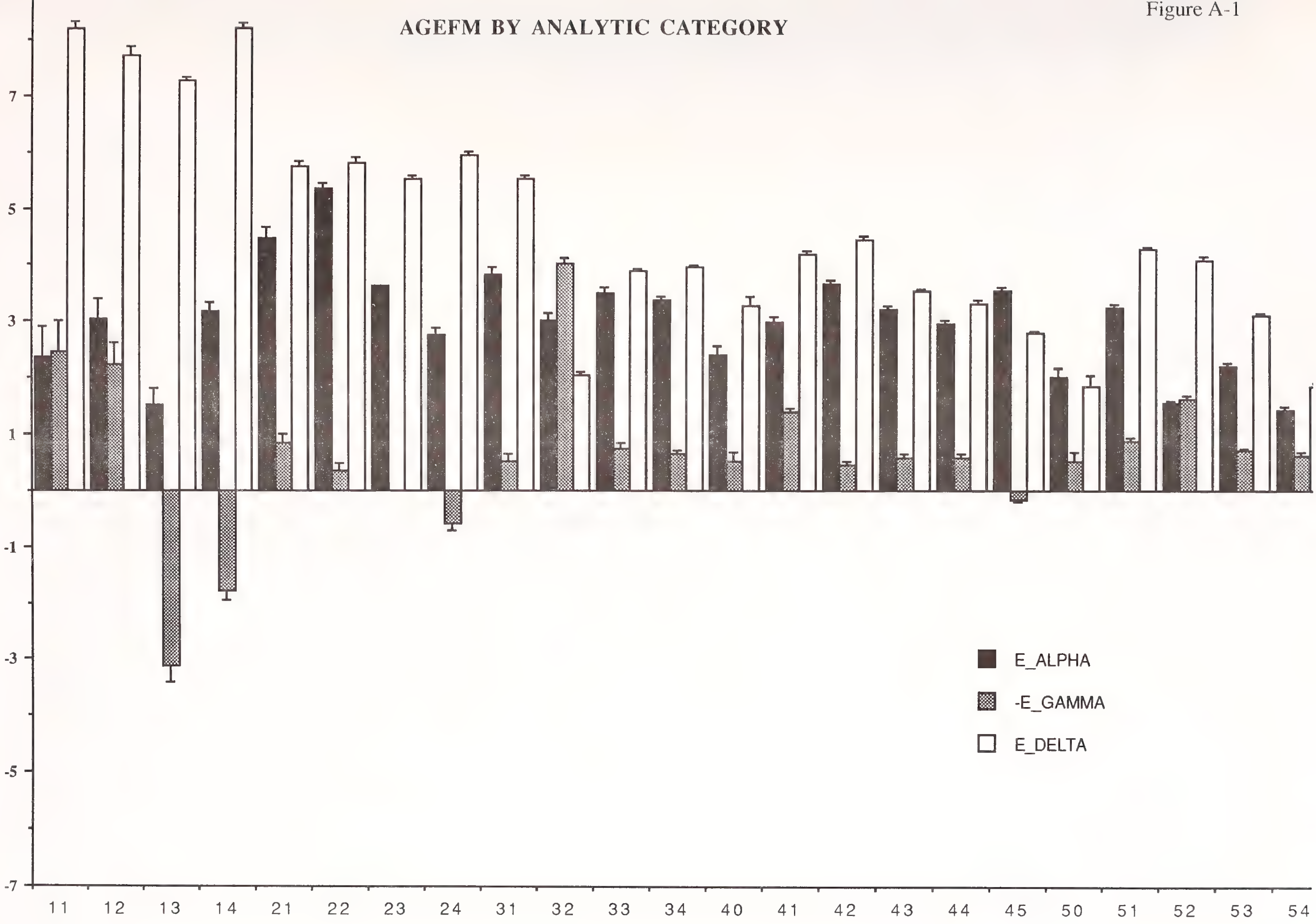


Figure A-1



AGEML BY ANALYTIC CATEGORY

Figure A-1



AGEFM BY ANALYTIC CATEGORY

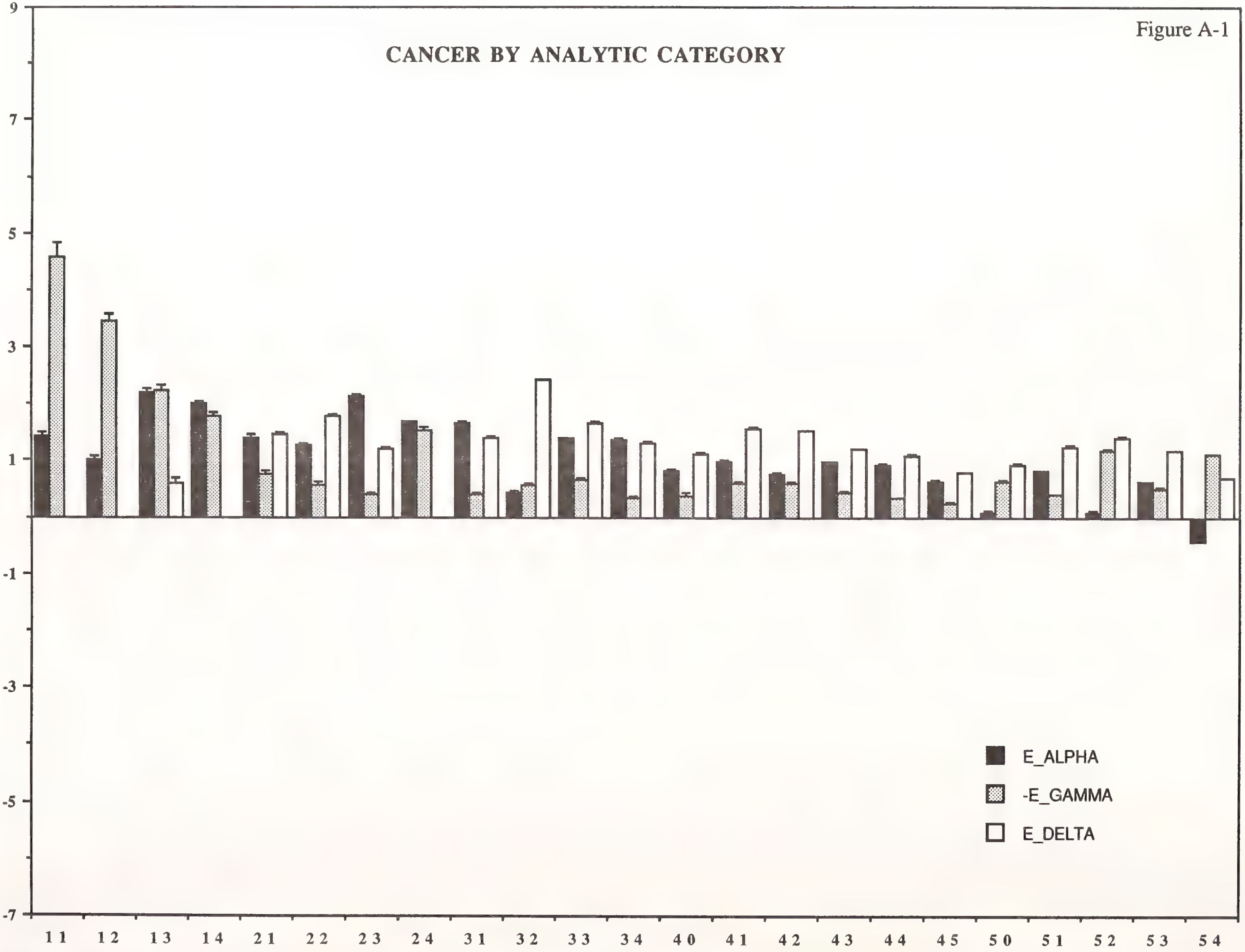
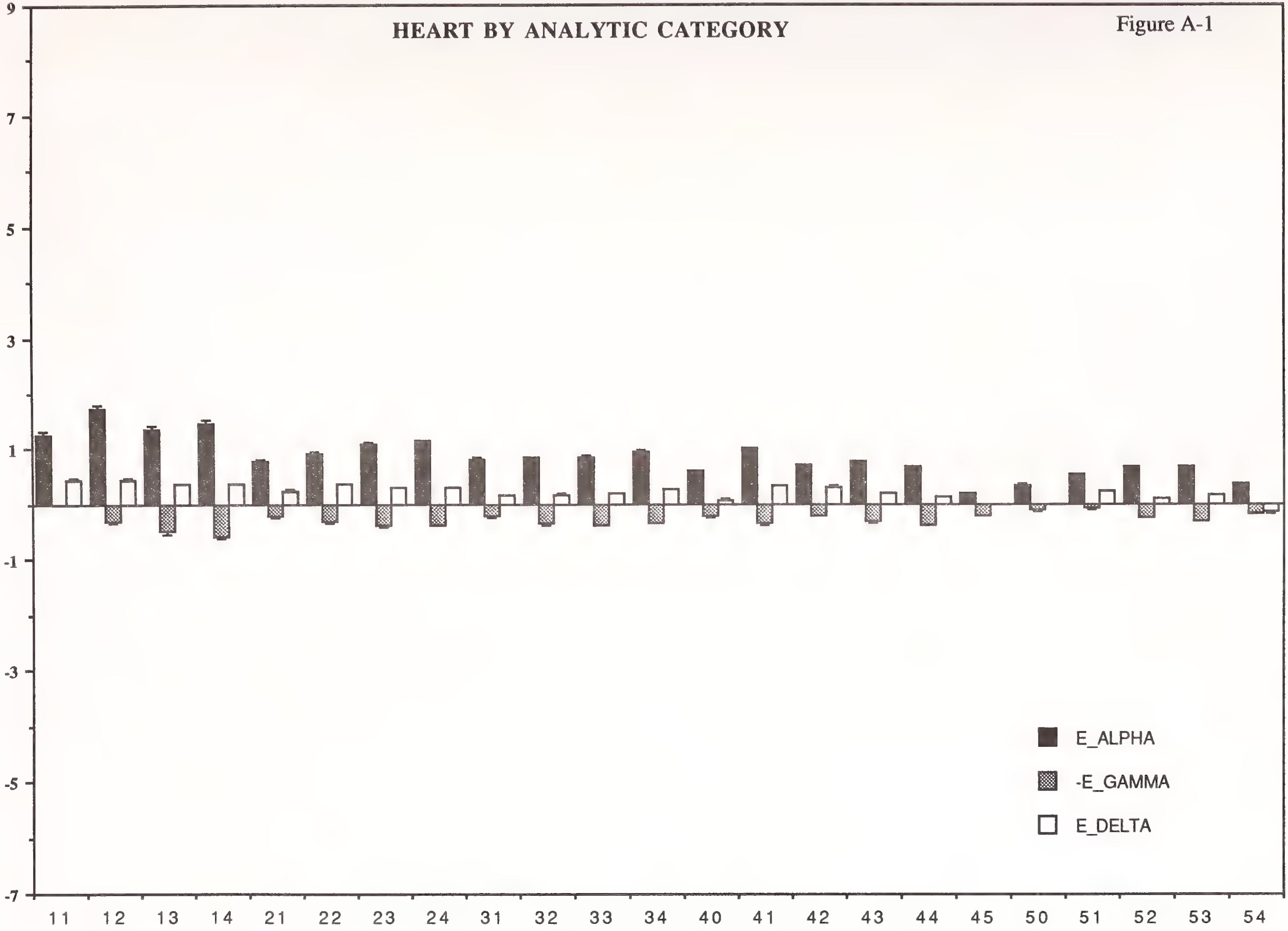


Figure A-1

CANCER BY ANALYTIC CATEGORY

Figure A-1

HEART BY ANALYTIC CATEGORY



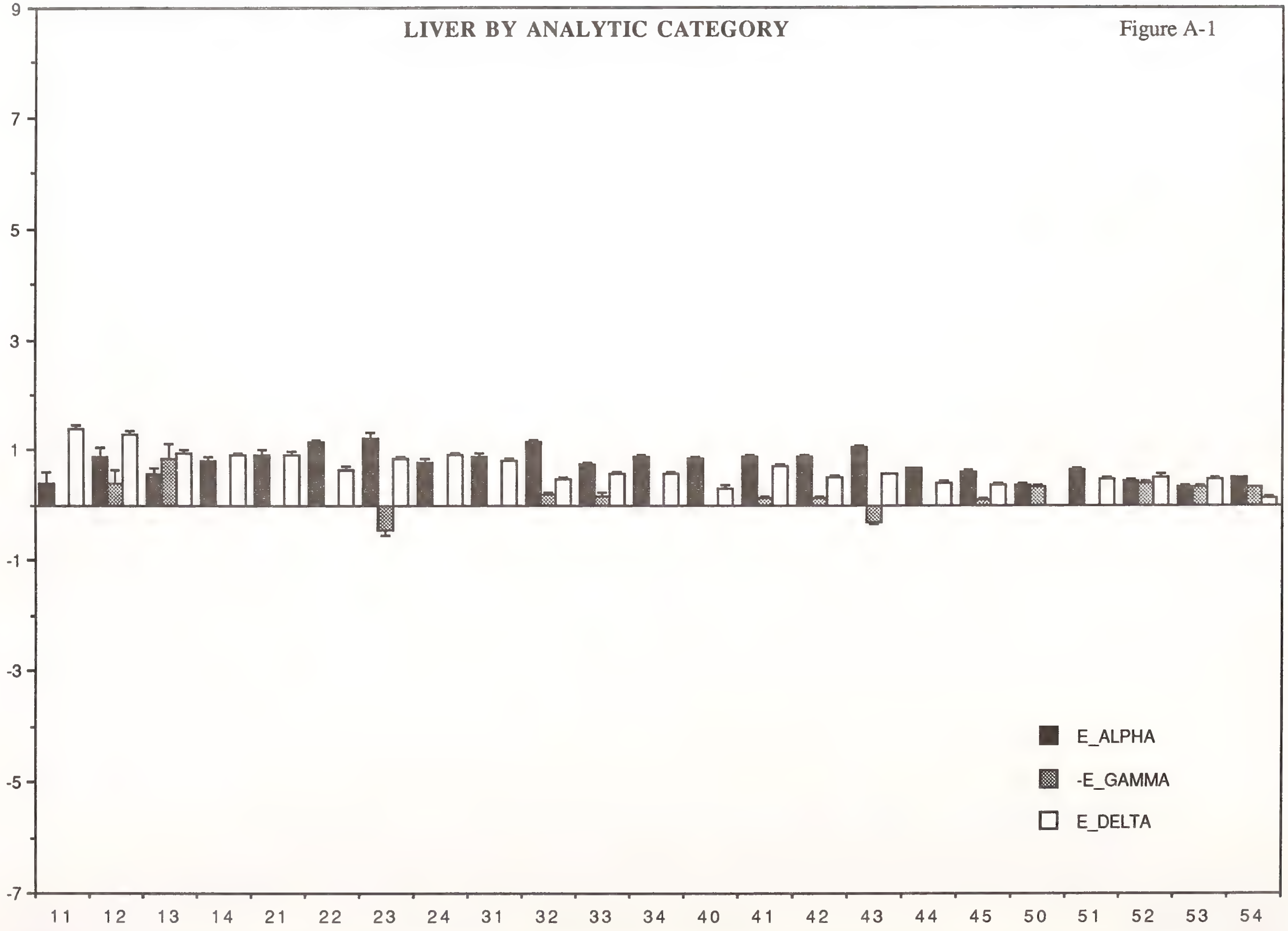


Figure A-1

LIVER BY ANALYTIC CATEGORY

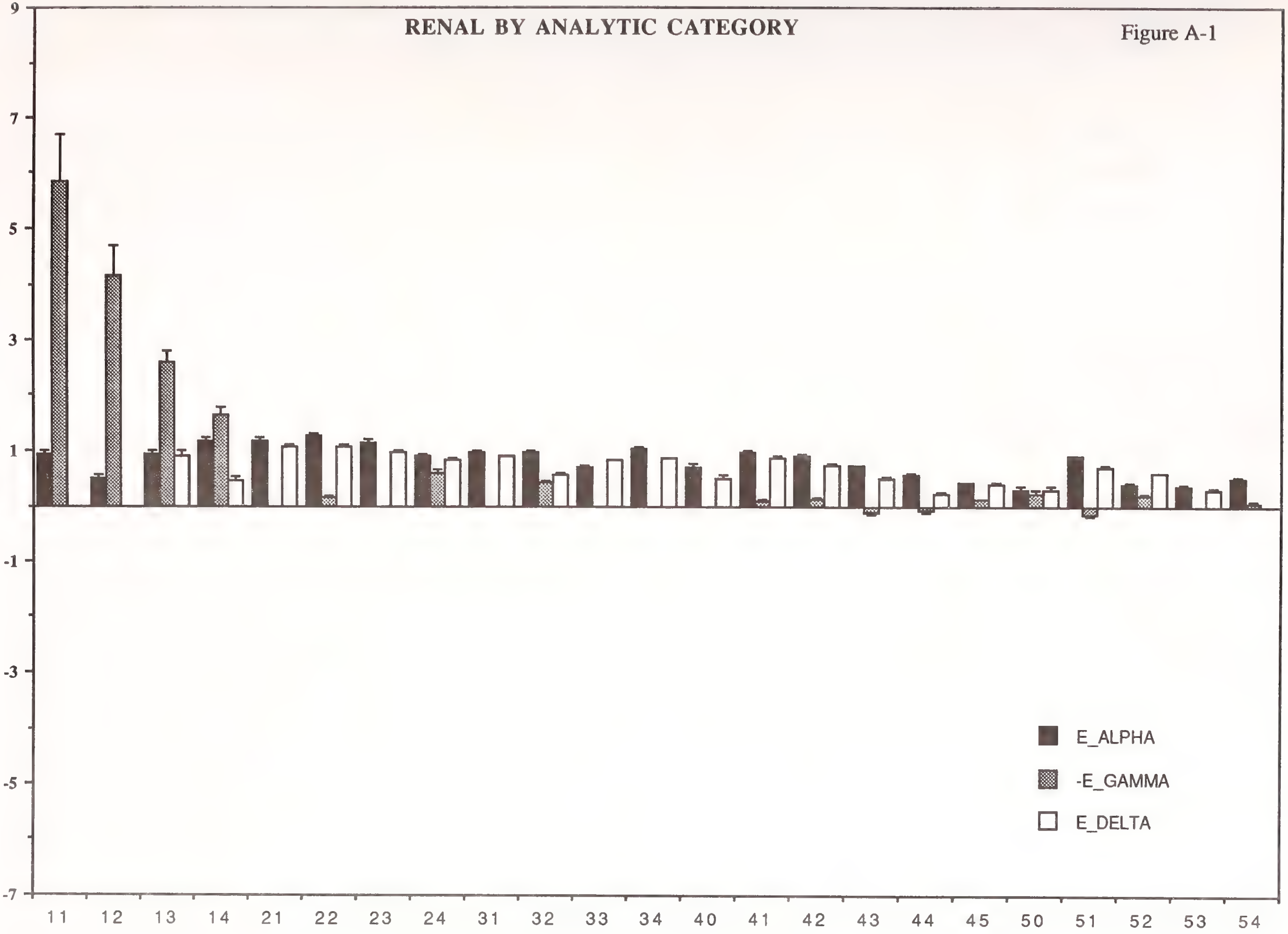
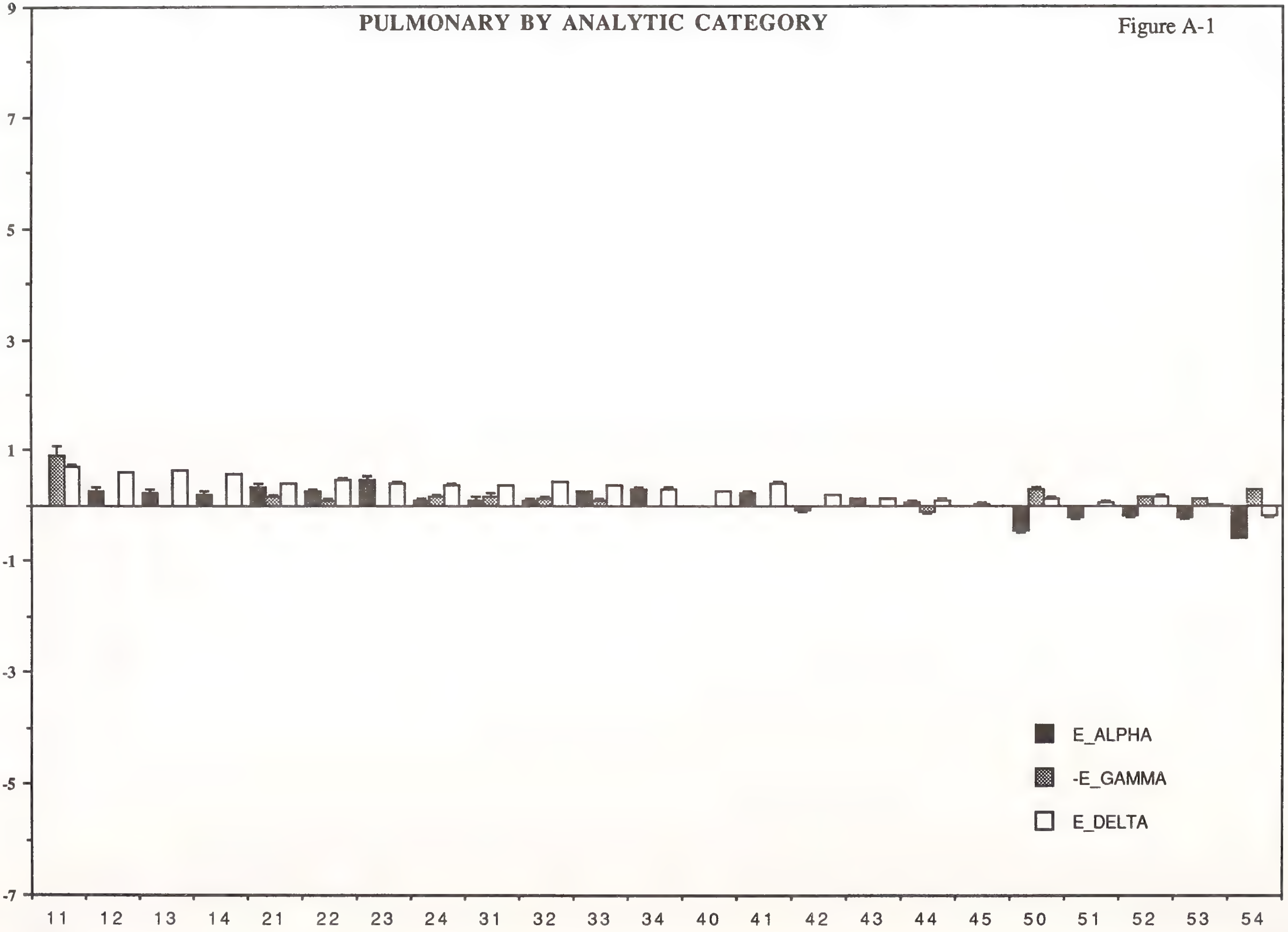


Figure A-1

RENAL BY ANALYTIC CATEGORY

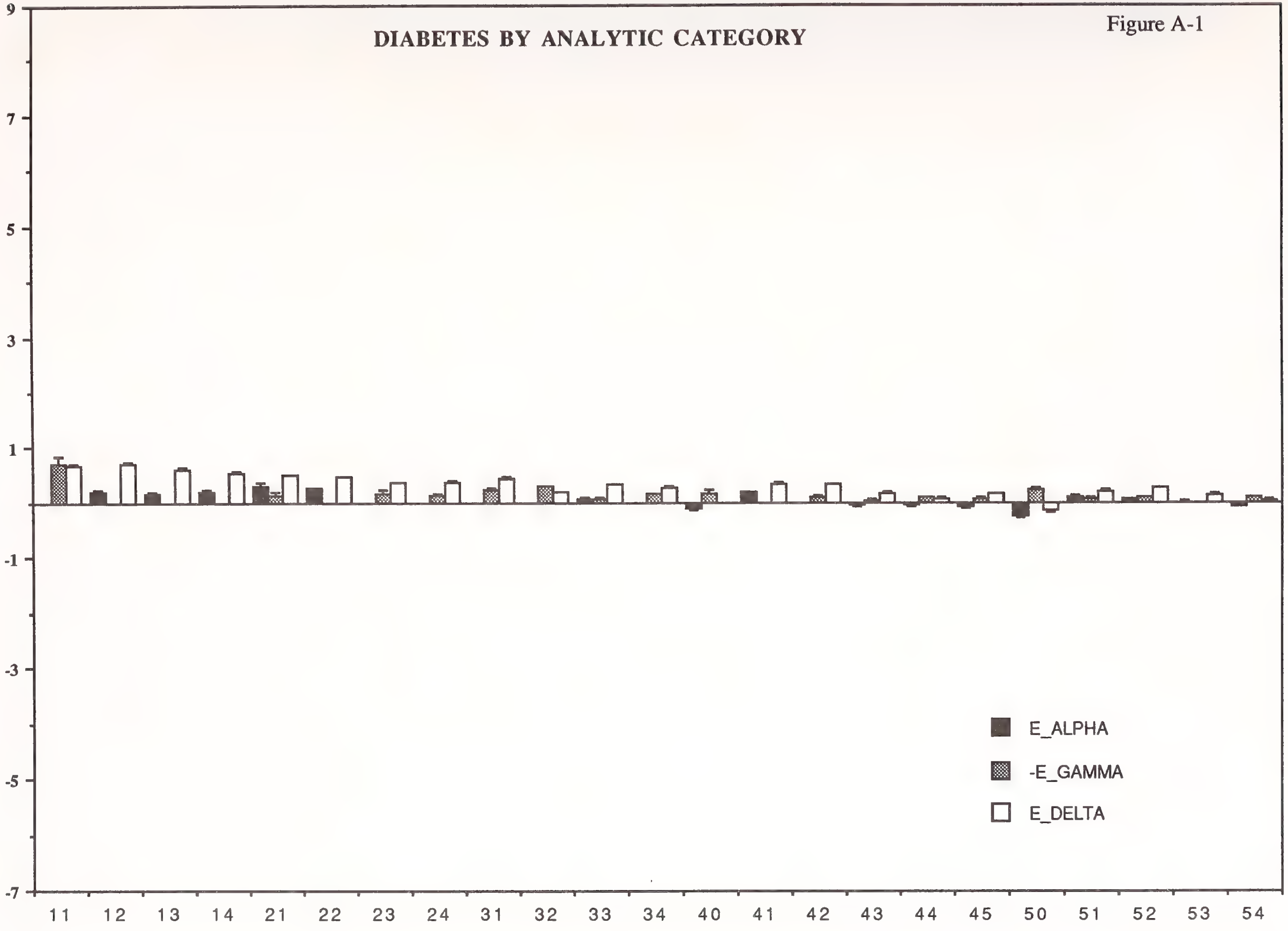


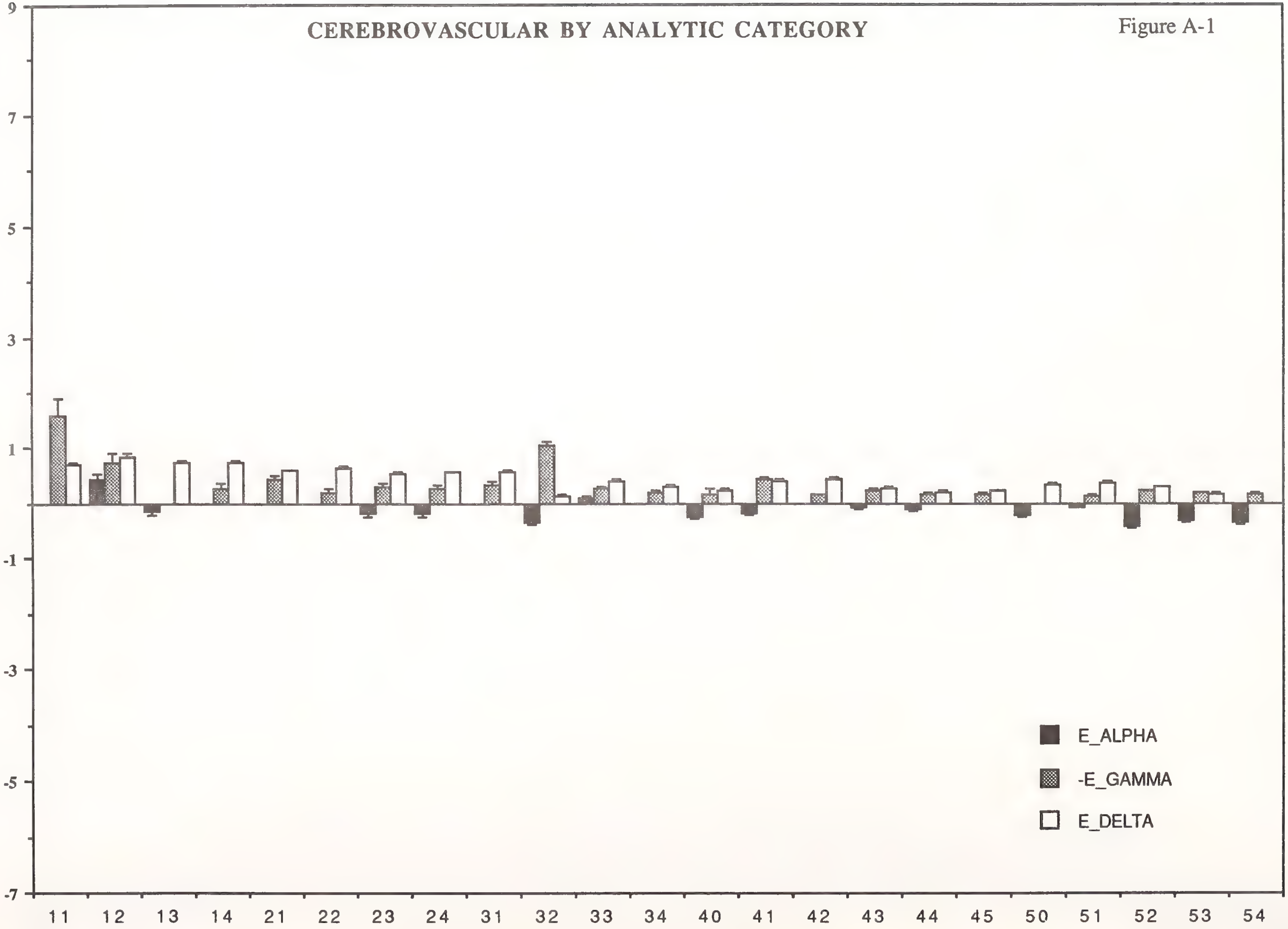
PULMONARY BY ANALYTIC CATEGORY

Figure A-1

Figure A-1

DIABETES BY ANALYTIC CATEGORY

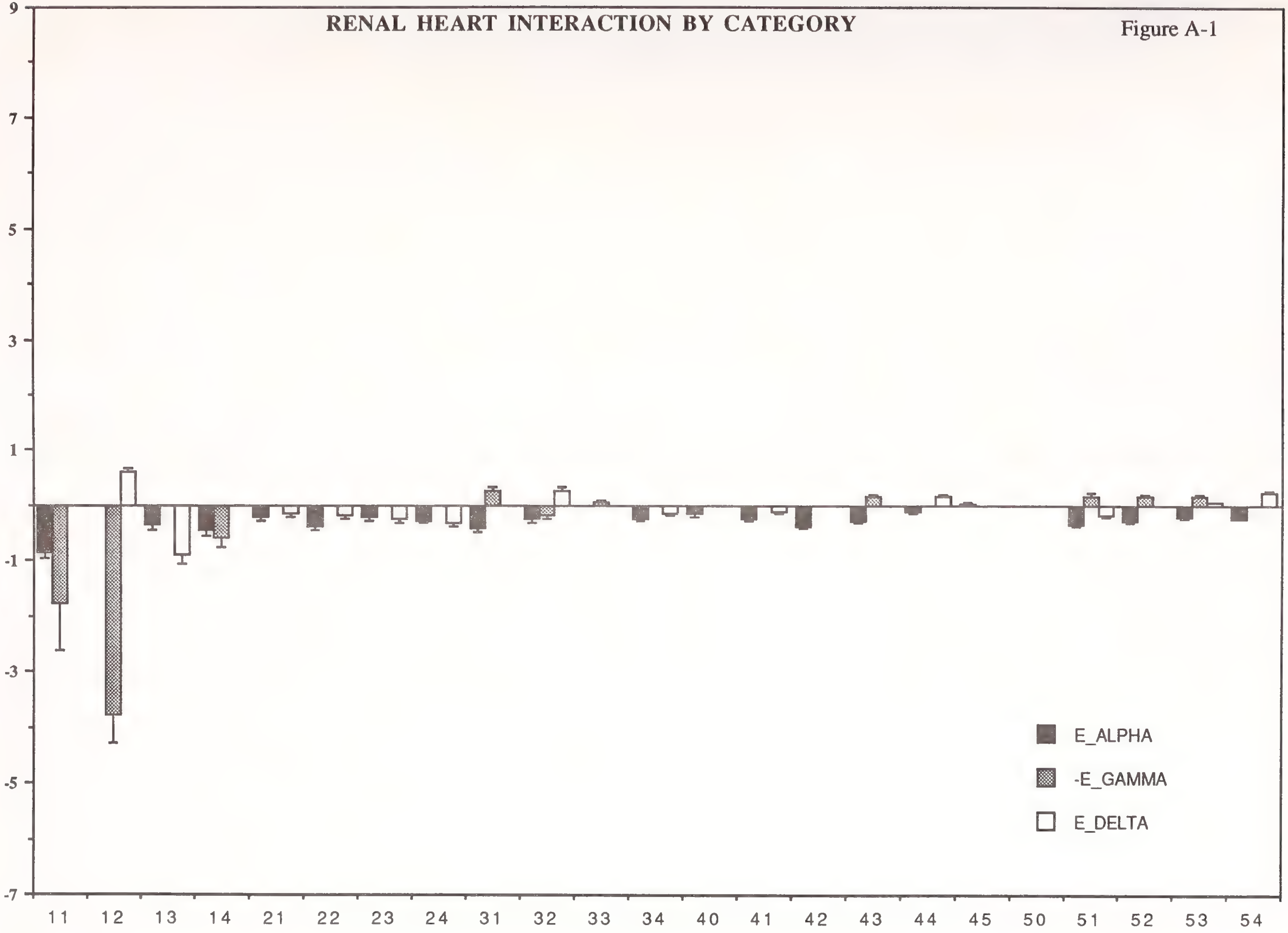




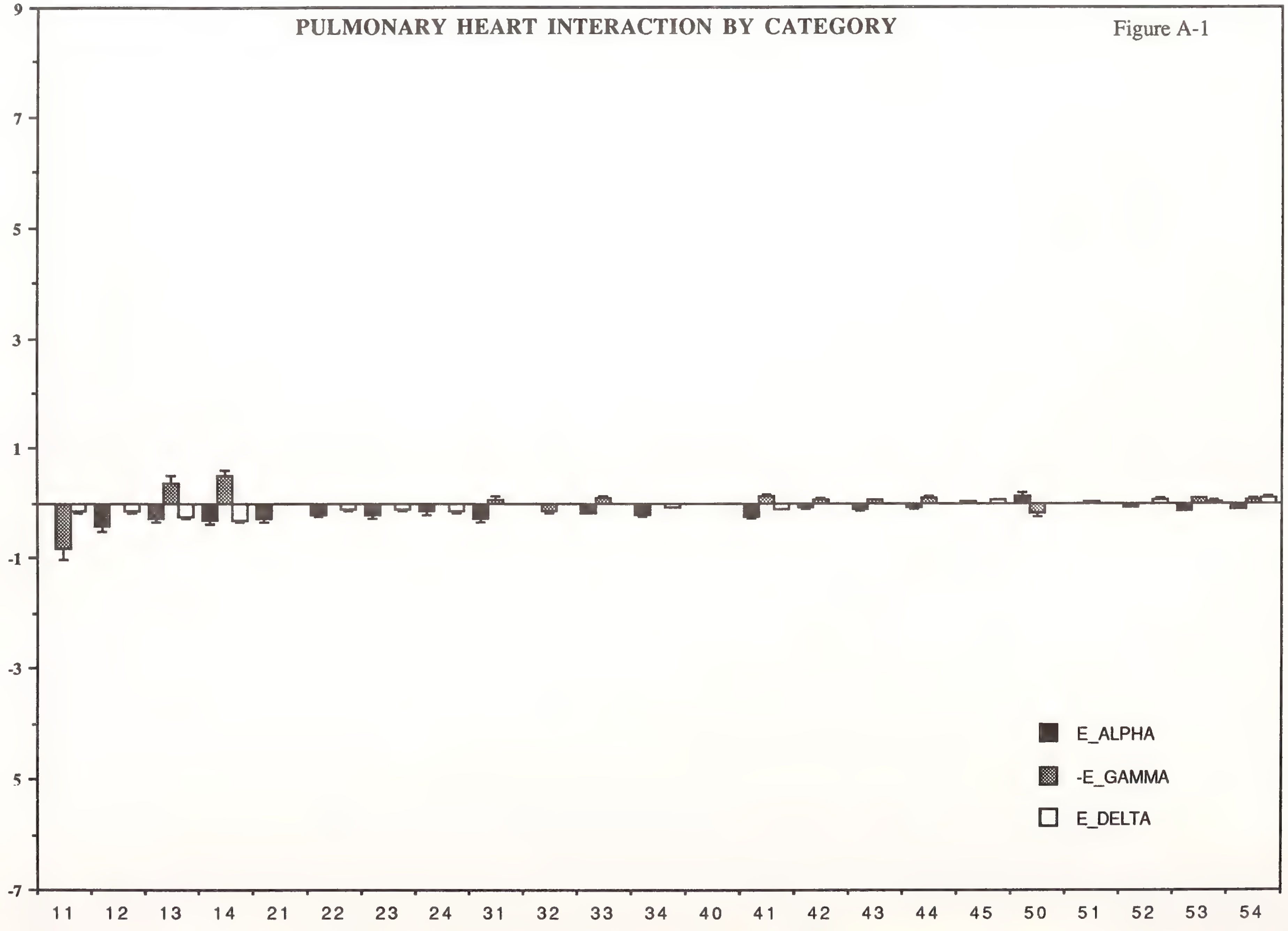
CEREBROVASCULAR BY ANALYTIC CATEGORY

Figure A-1

Figure A-1



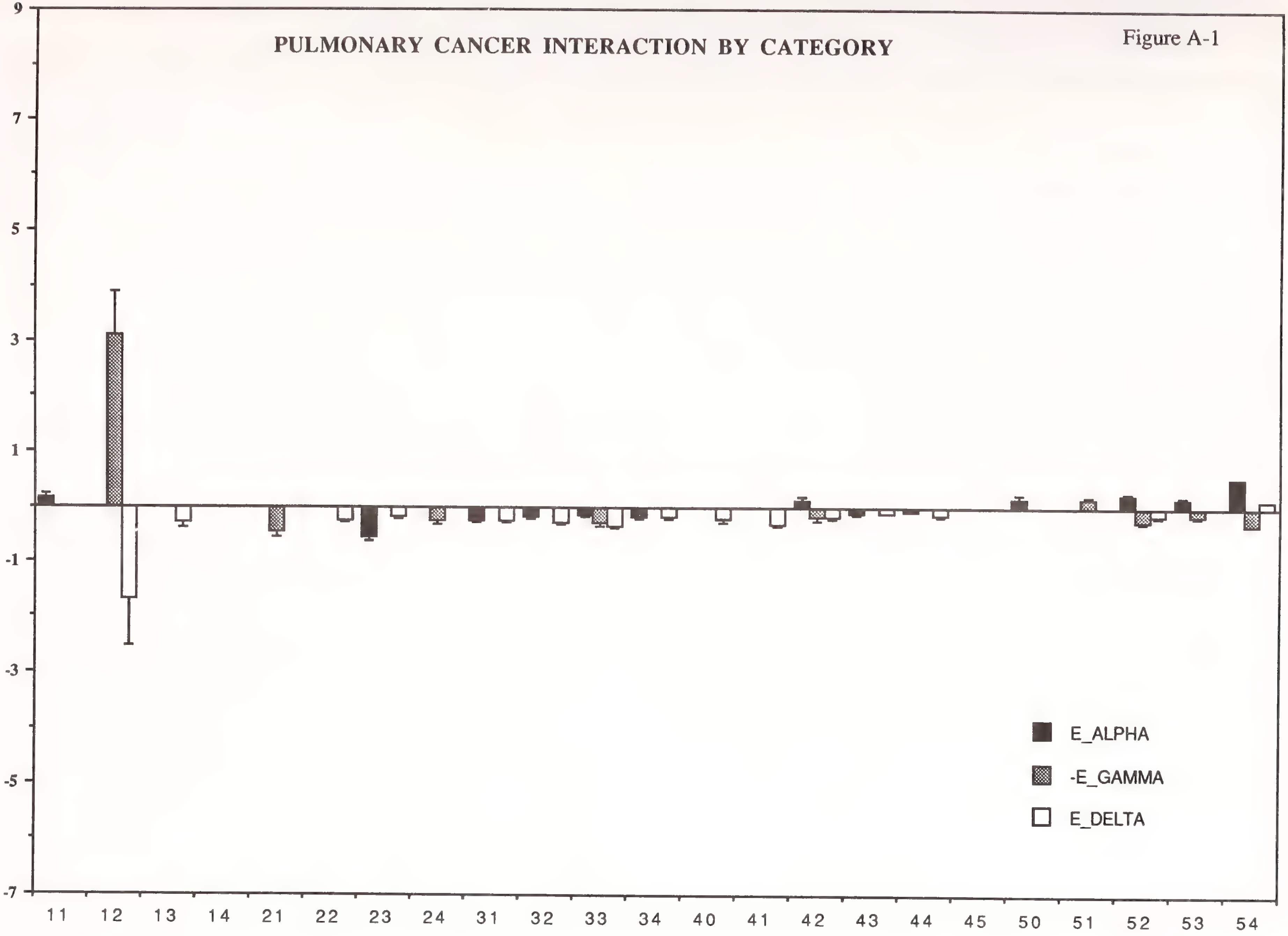
RENAL HEART INTERACTION BY CATEGORY



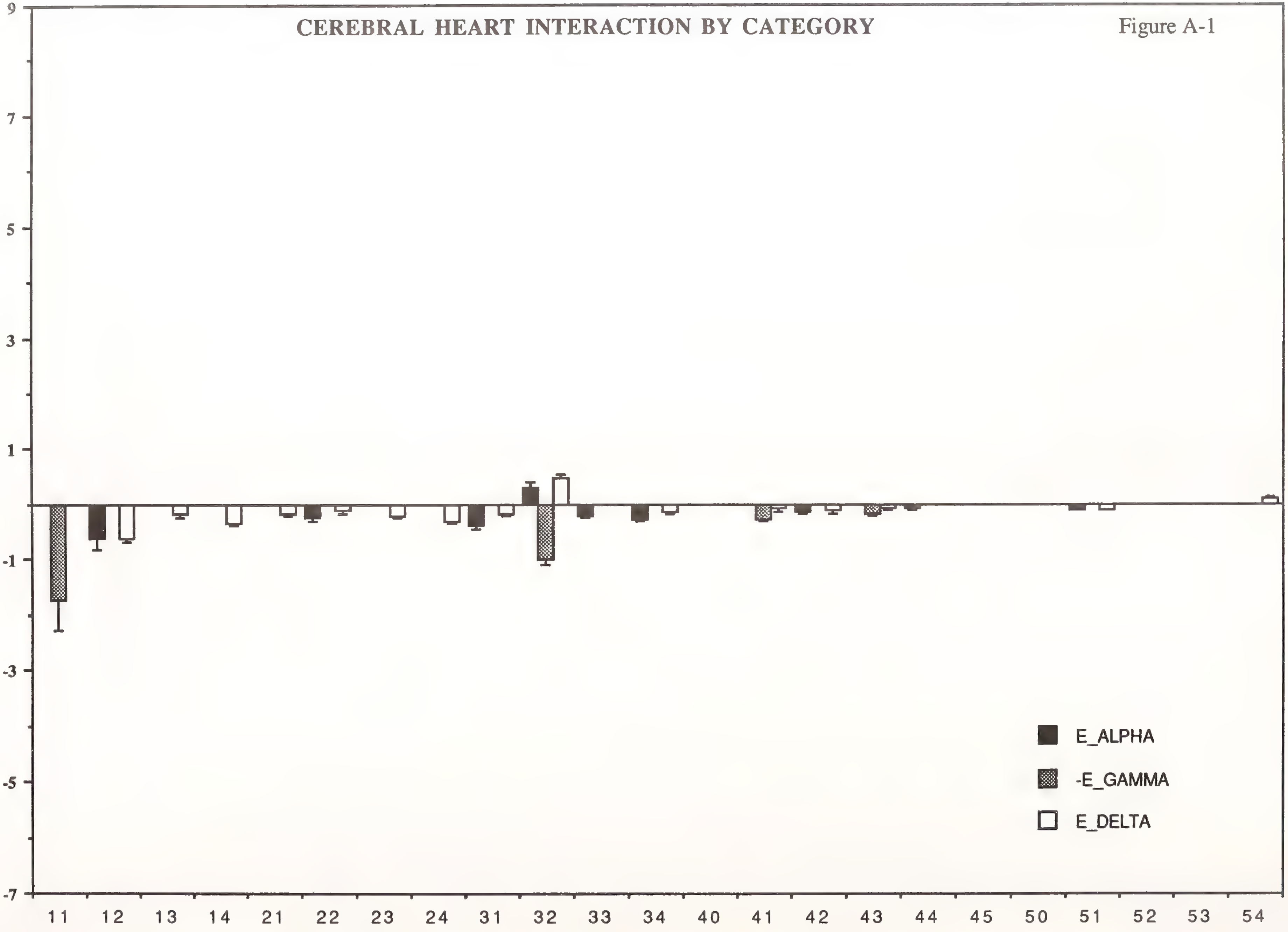
PULMONARY HEART INTERACTION BY CATEGORY

Figure A-1

Figure A-1



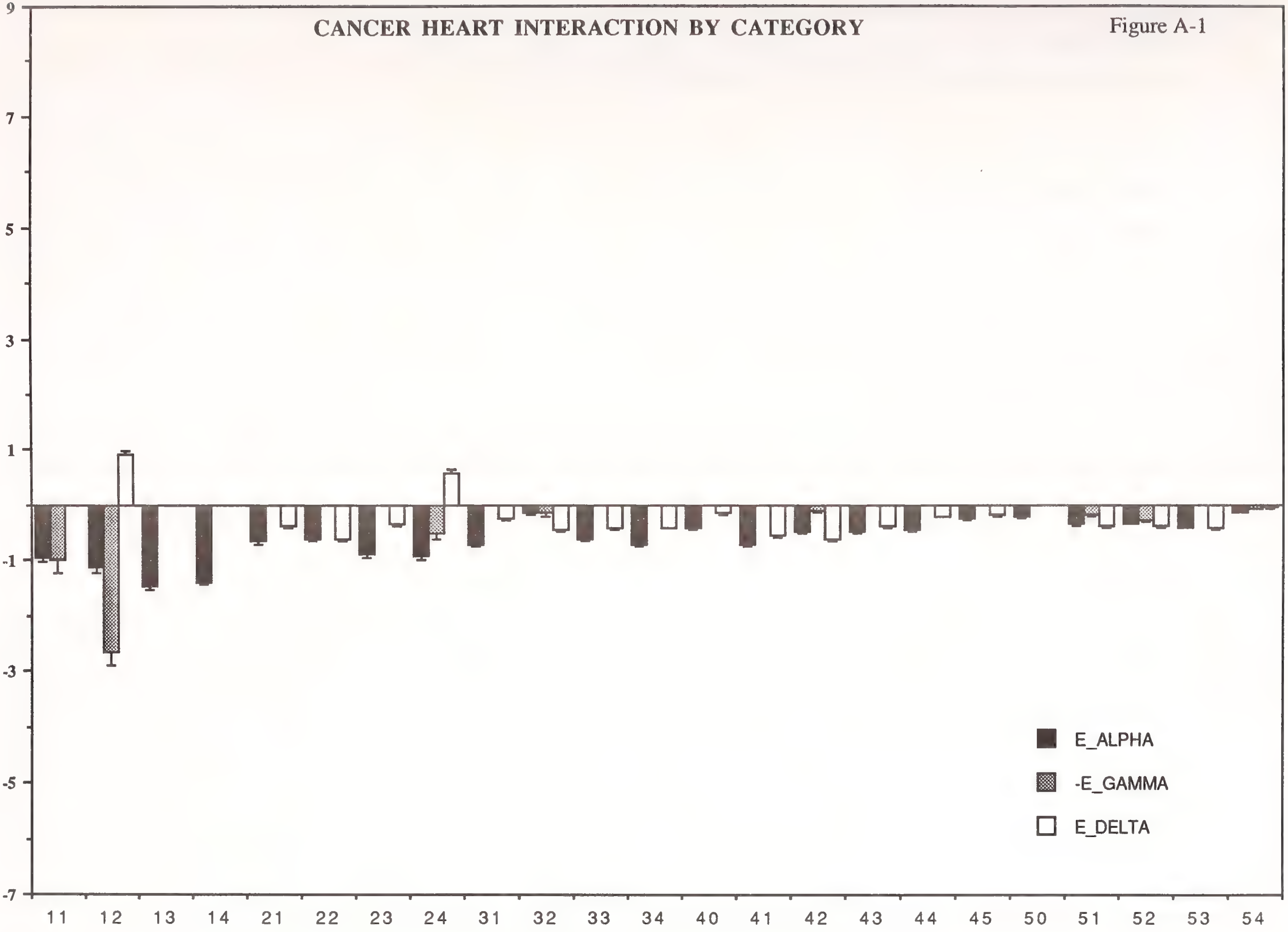
PULMONARY CANCER INTERACTION BY CATEGORY



CEREBRAL HEART INTERACTION BY CATEGORY

Figure A-1

Figure A-1



CANCER HEART INTERACTION BY CATEGORY

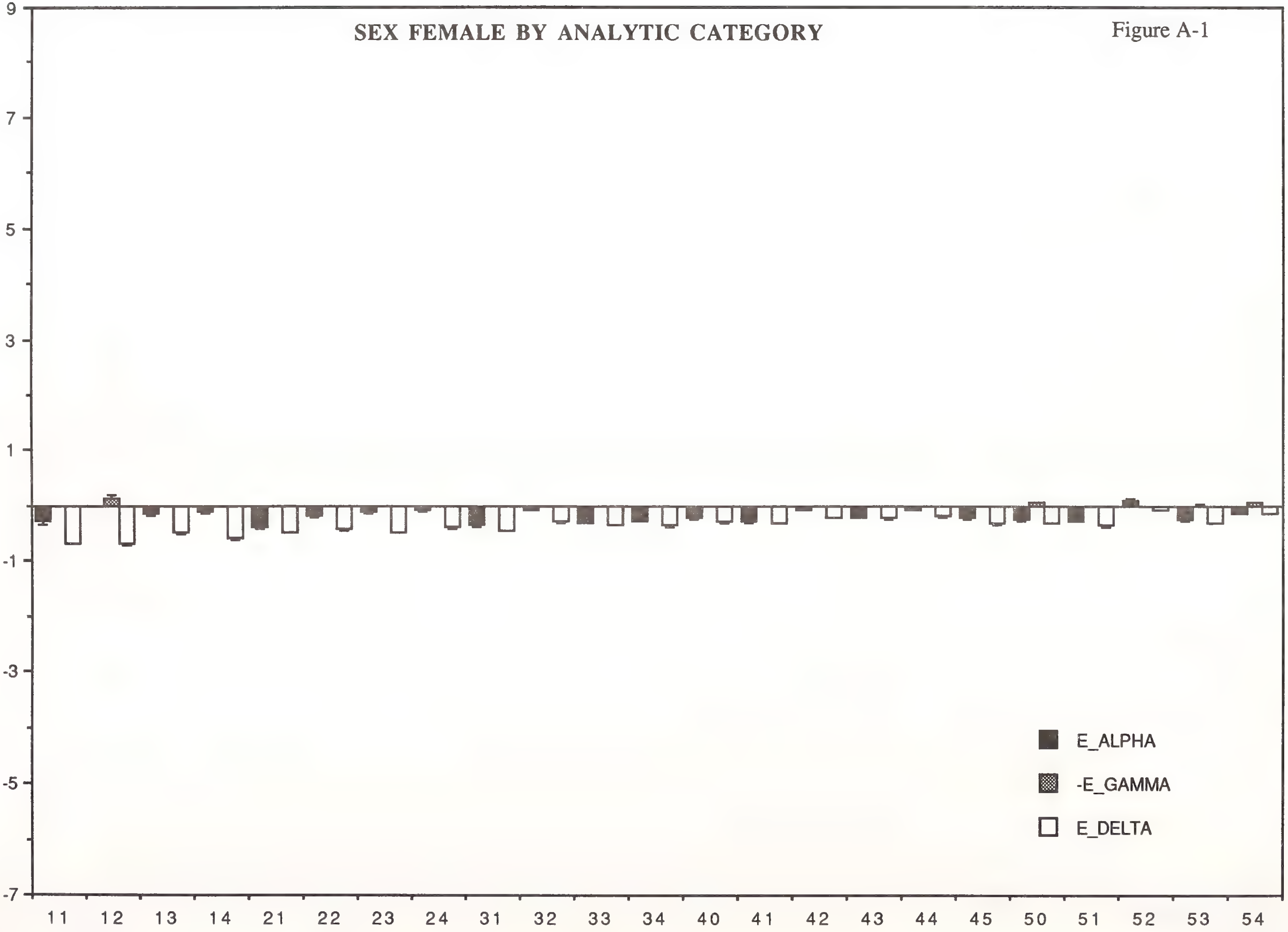
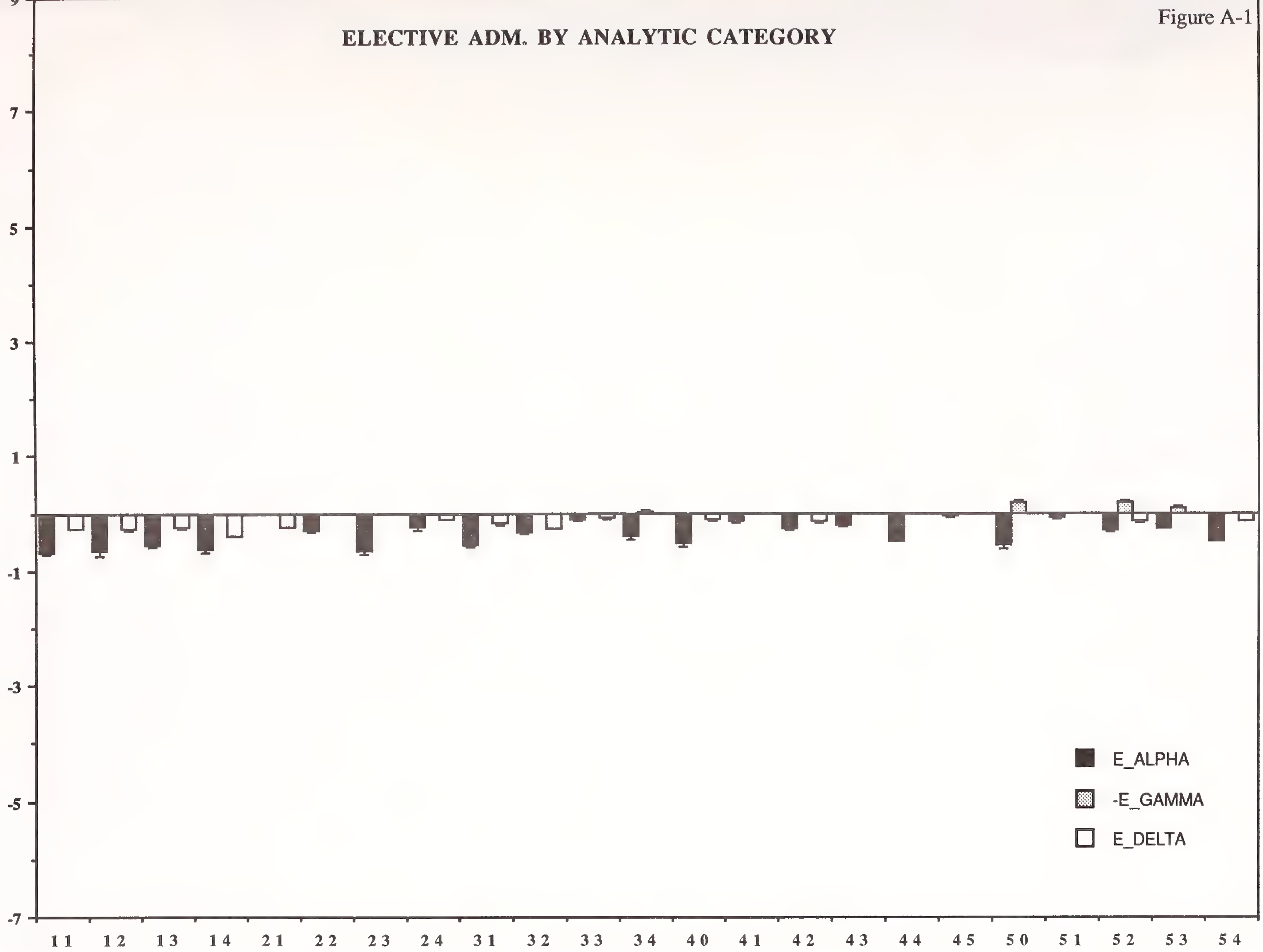


Figure A-1

SEX FEMALE BY ANALYTIC CATEGORY

Figure A-1



ELECTIVE ADM. BY ANALYTIC CATEGORY

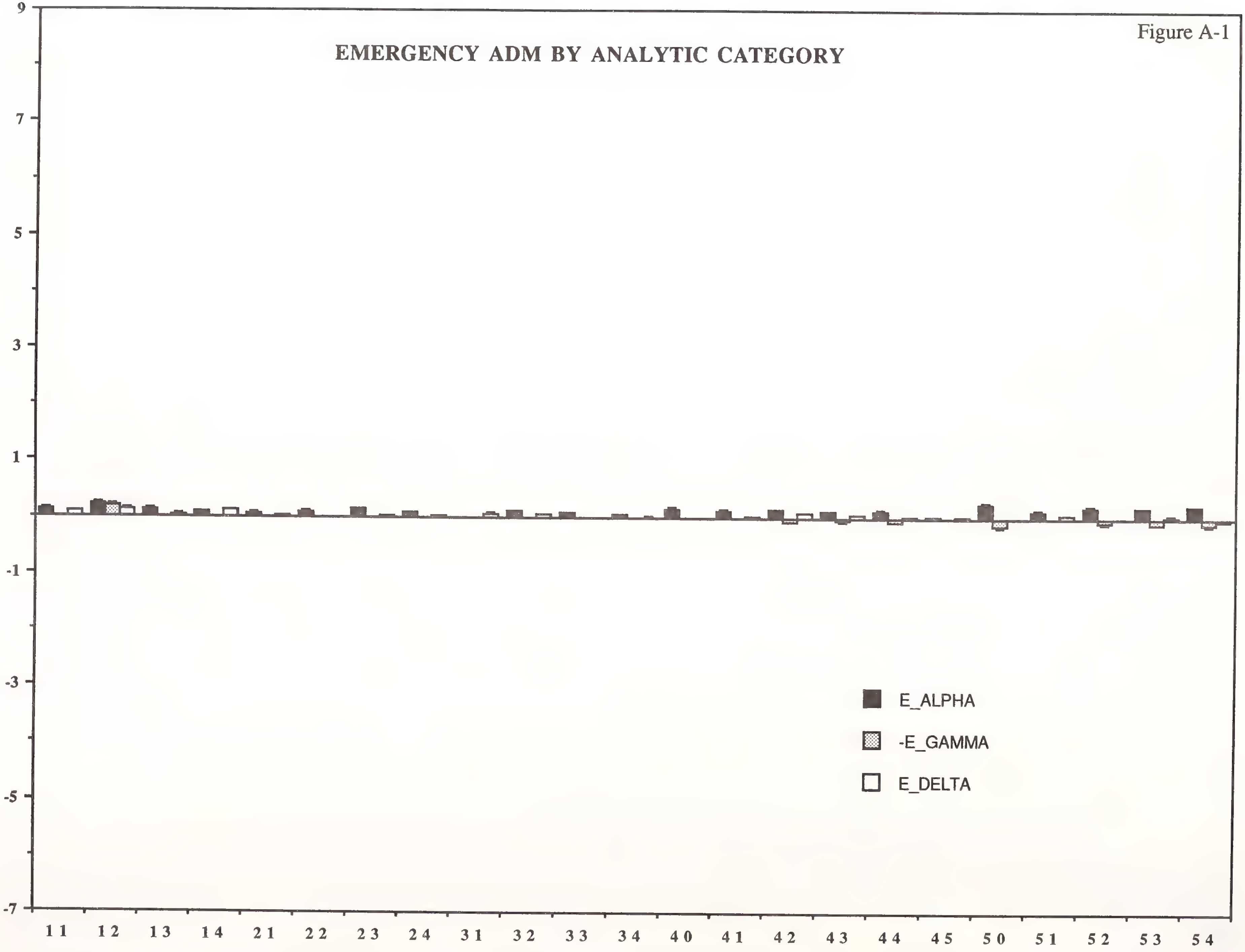


Figure A-1

EMERGENCY ADM BY ANALYTIC CATEGORY

Figure A-1

PHY. REFERENCE BY ANALYTIC CATEGORY

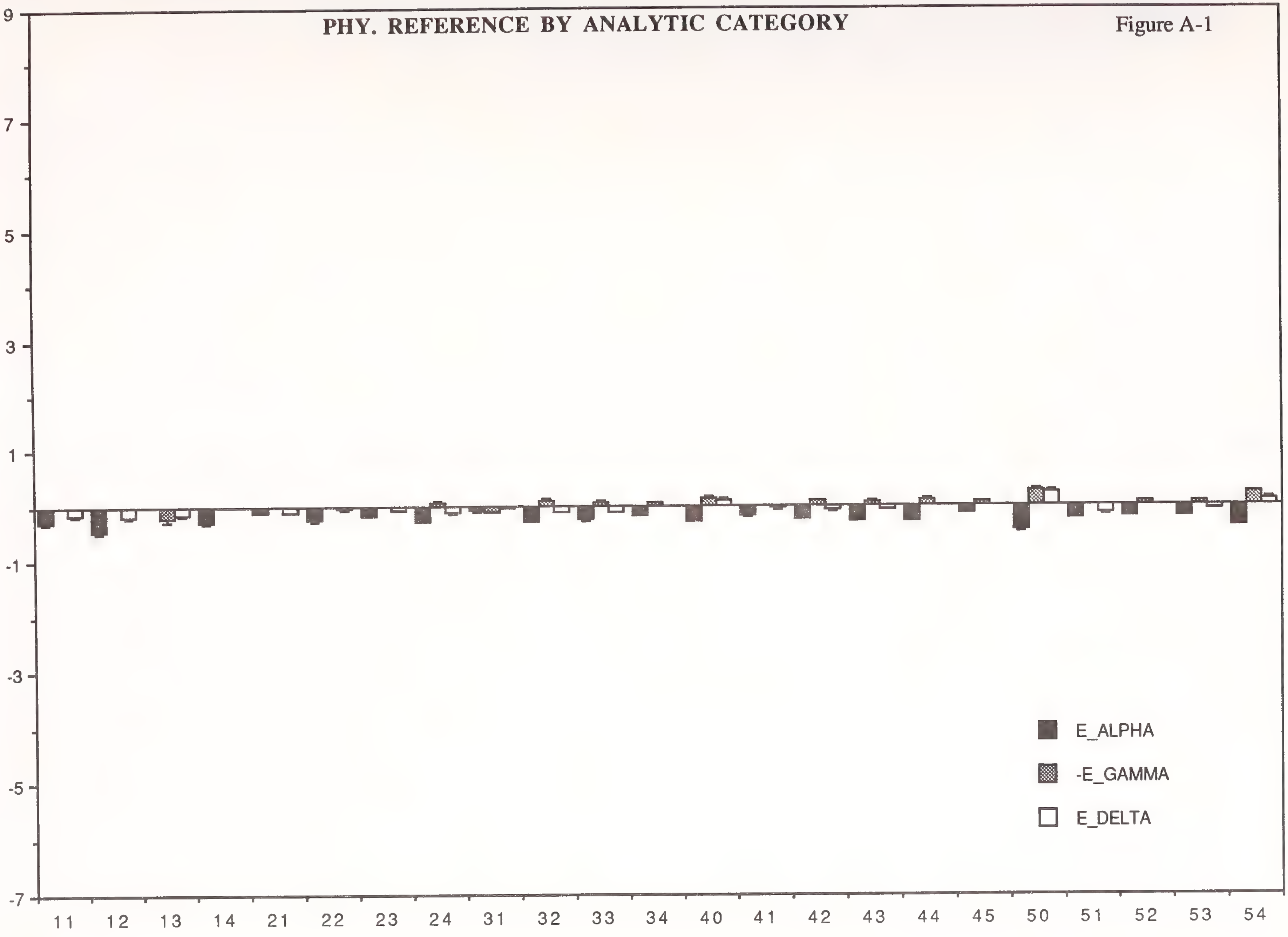
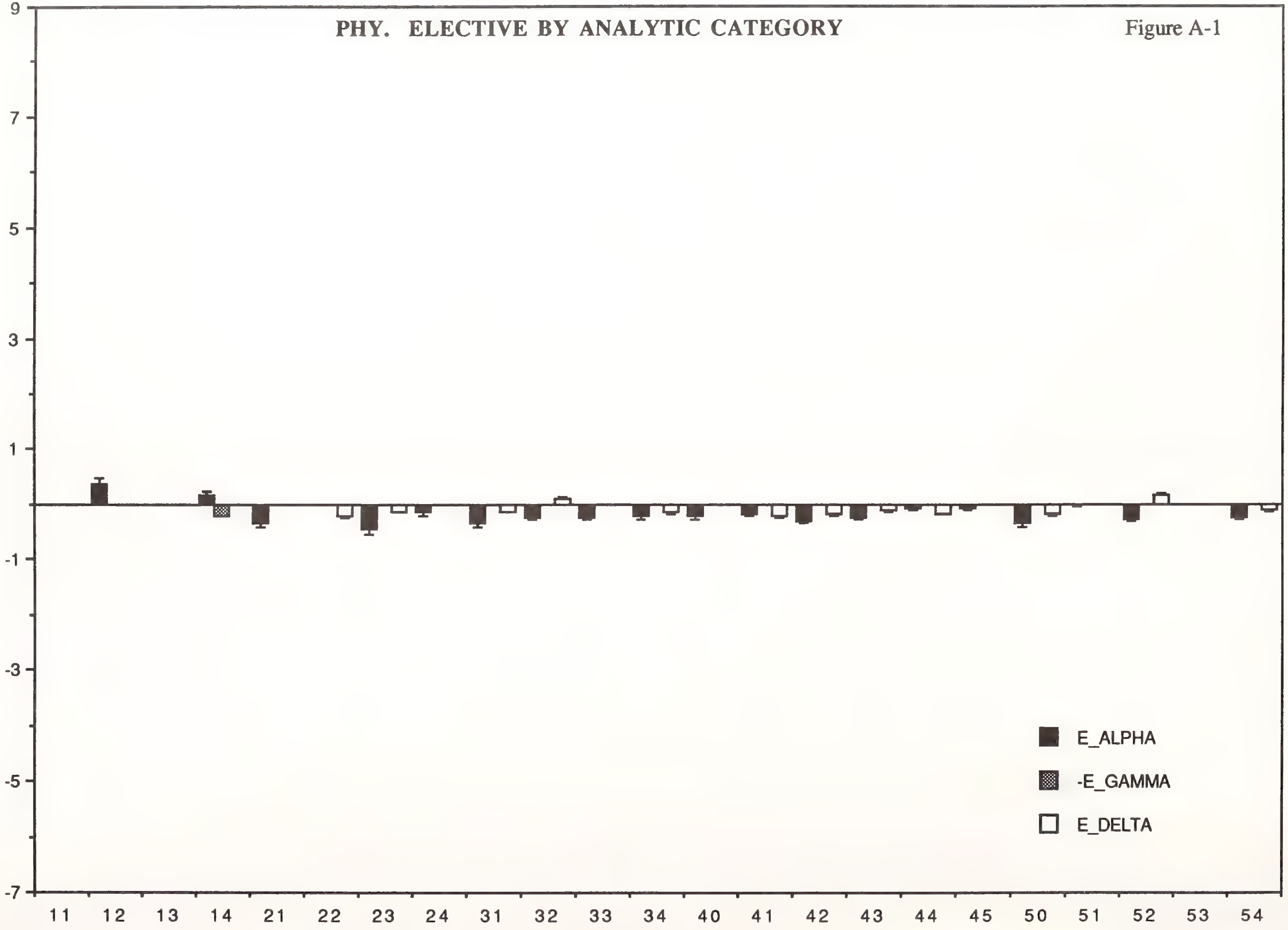


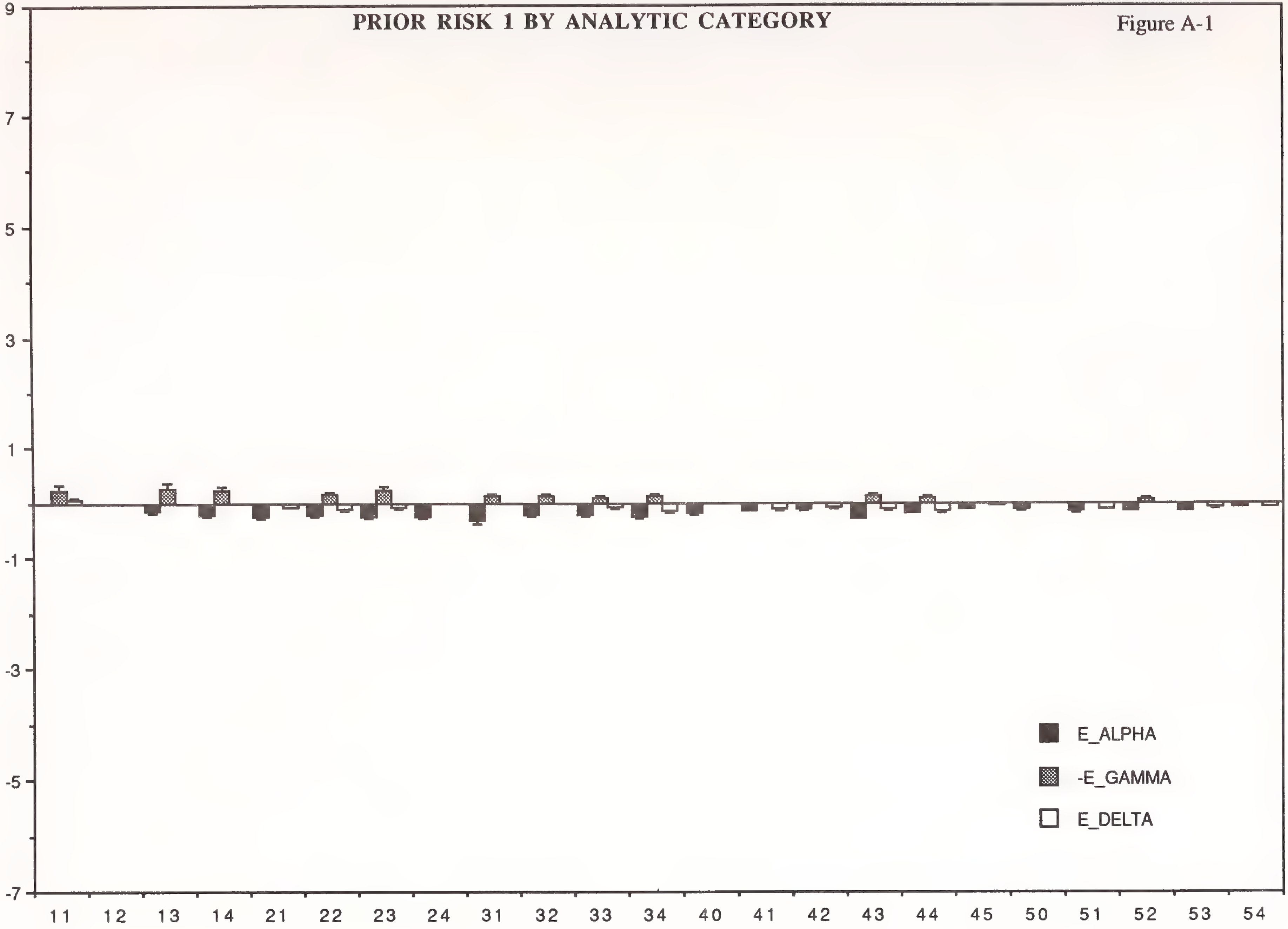
Figure A-1



PHY. ELECTIVE BY ANALYTIC CATEGORY

Figure A-1

PRIOR RISK 1 BY ANALYTIC CATEGORY



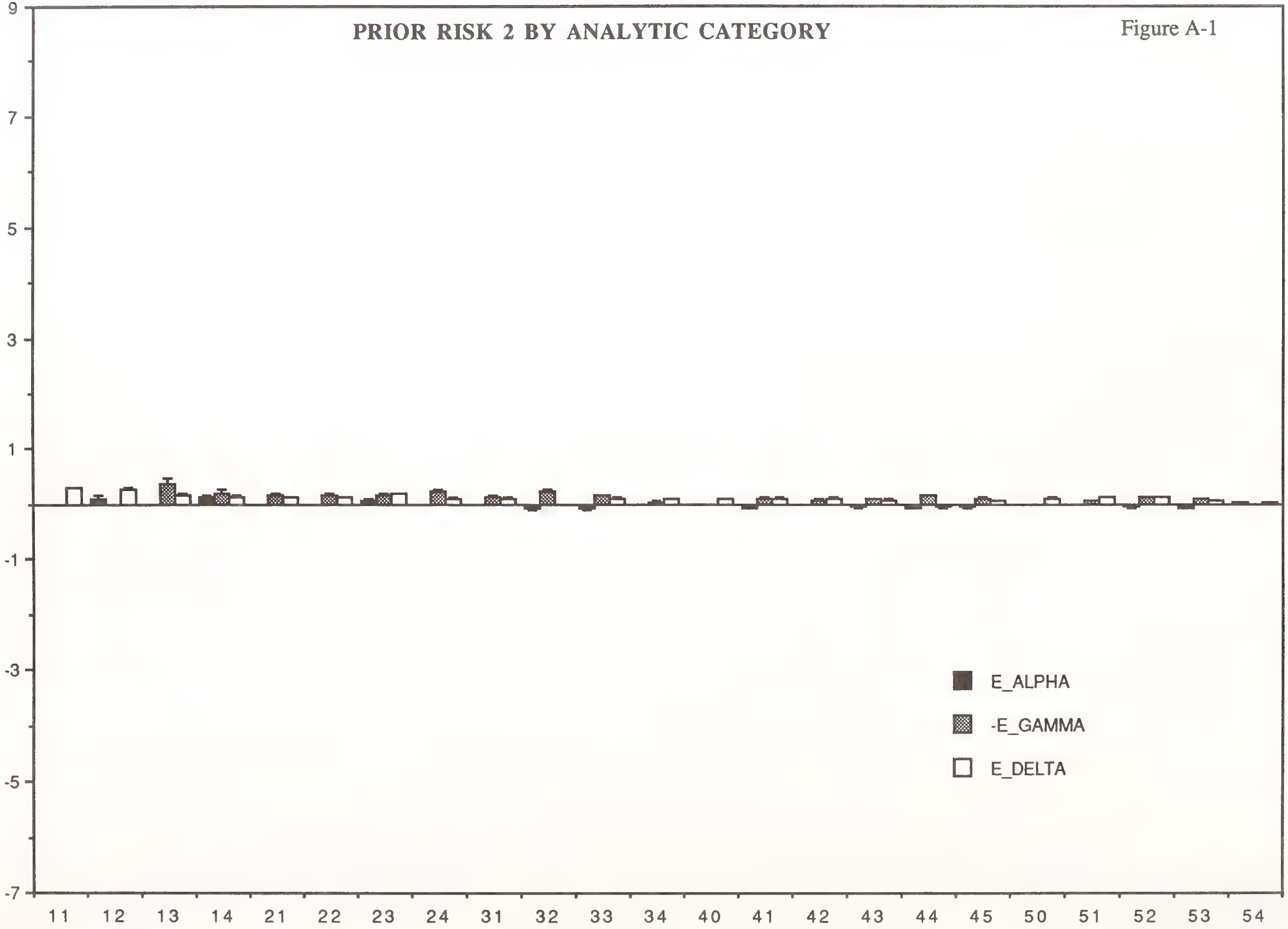
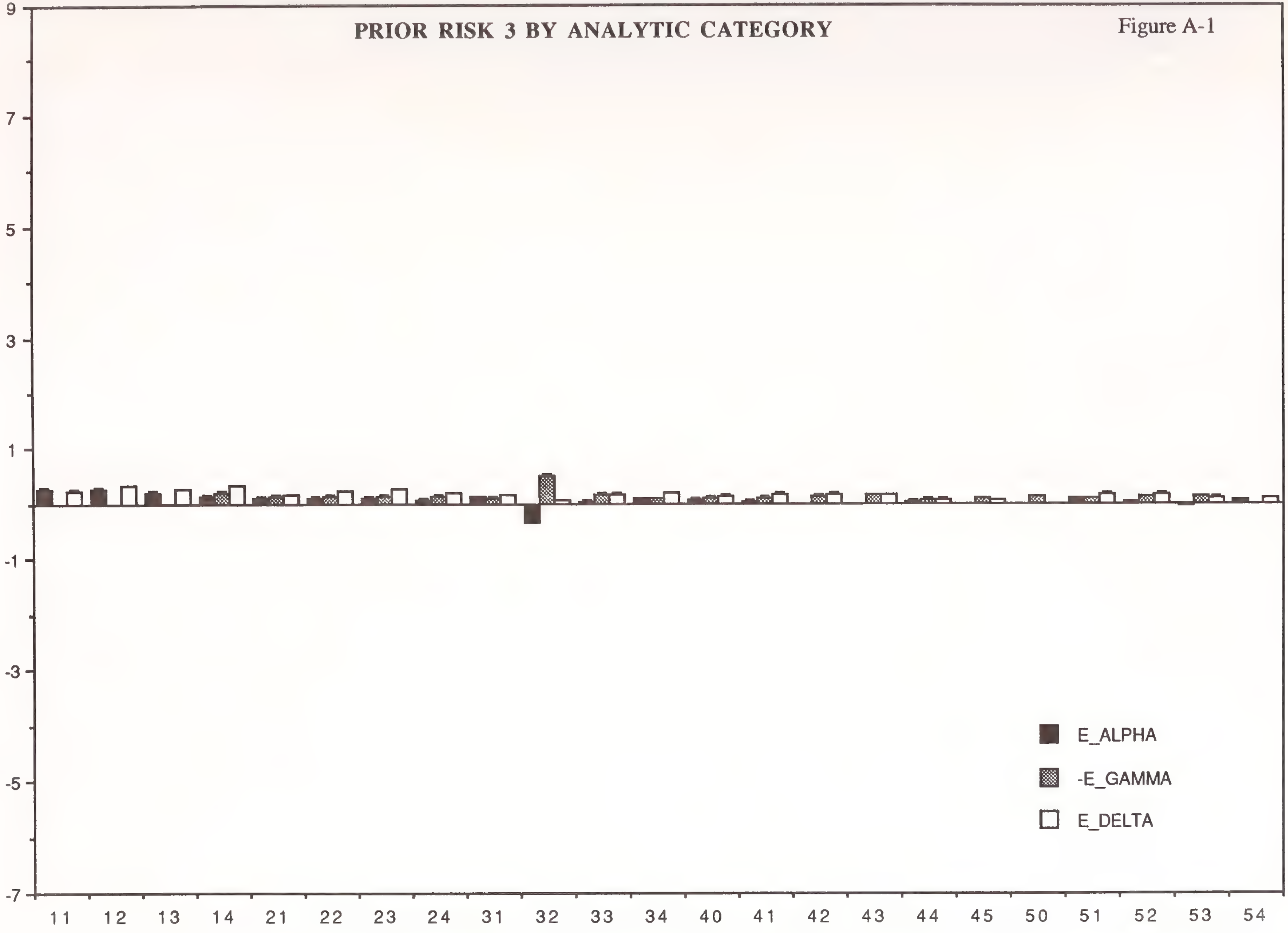


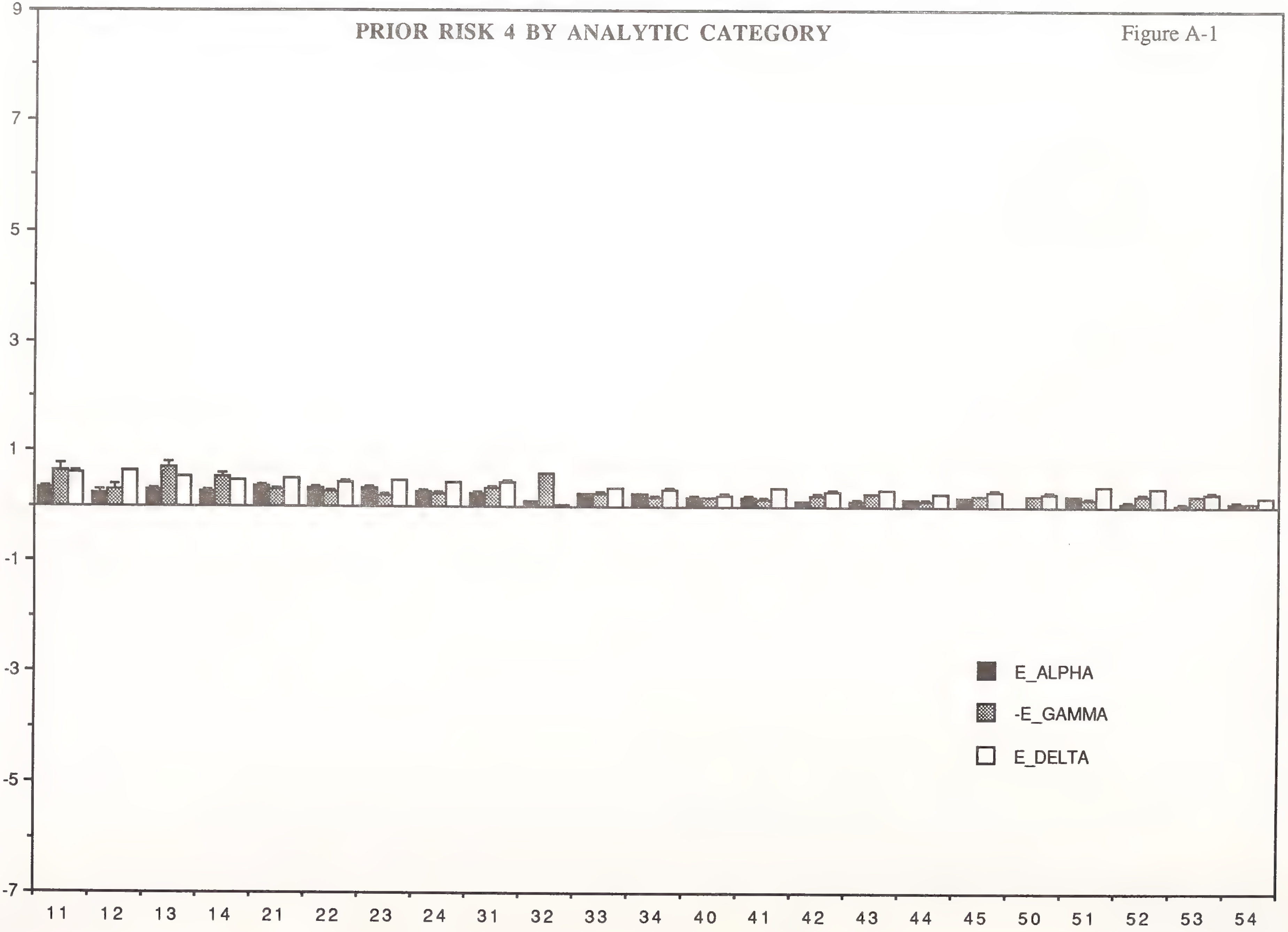
Figure A-1

PRIOR RISK 2 BY ANALYTIC CATEGORY

Figure A-1

PRIOR RISK 3 BY ANALYTIC CATEGORY



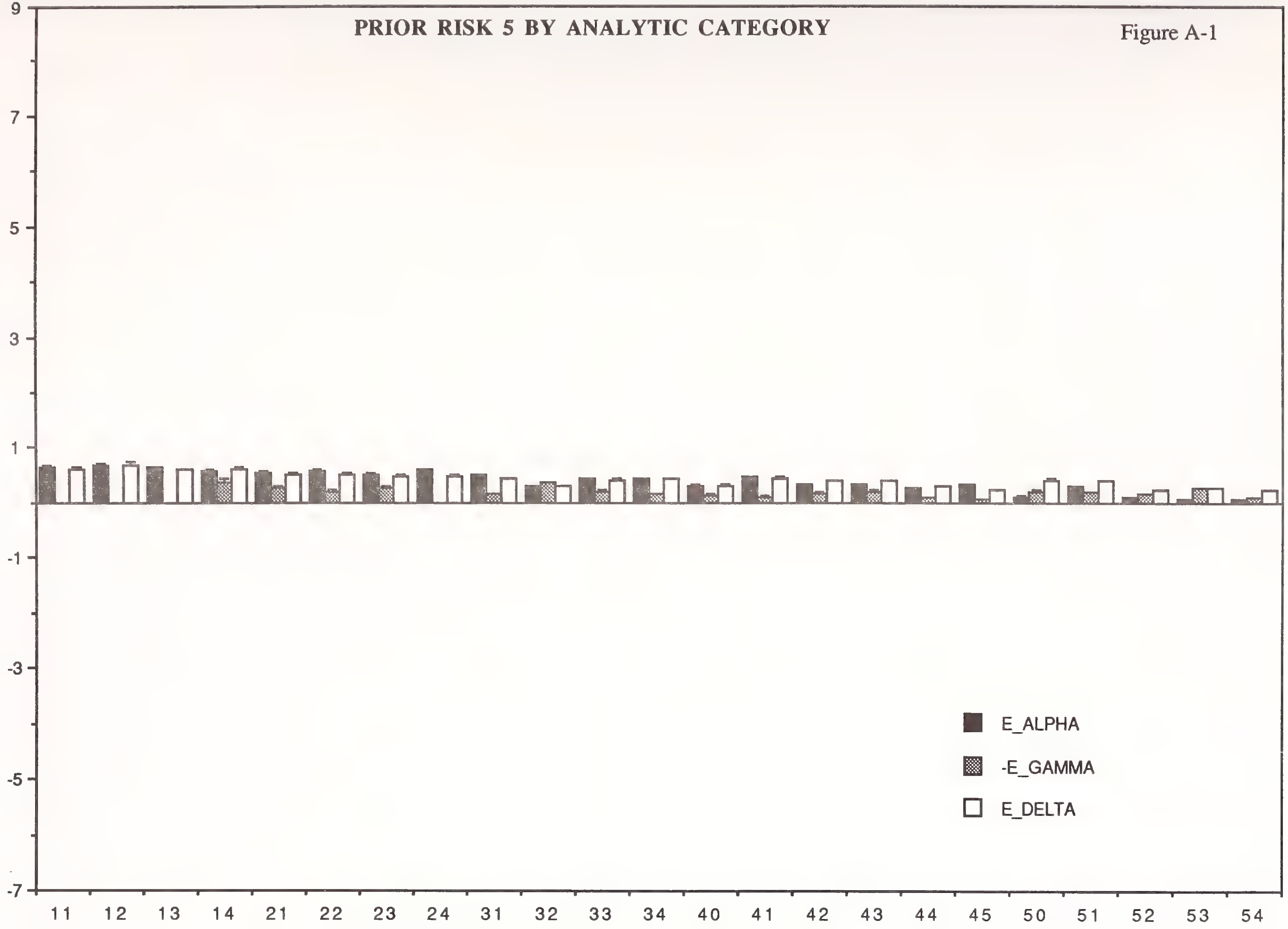


PRIOR RISK 4 BY ANALYTIC CATEGORY

Figure A-1

Figure A-1

PRIOR RISK 5 BY ANALYTIC CATEGORY



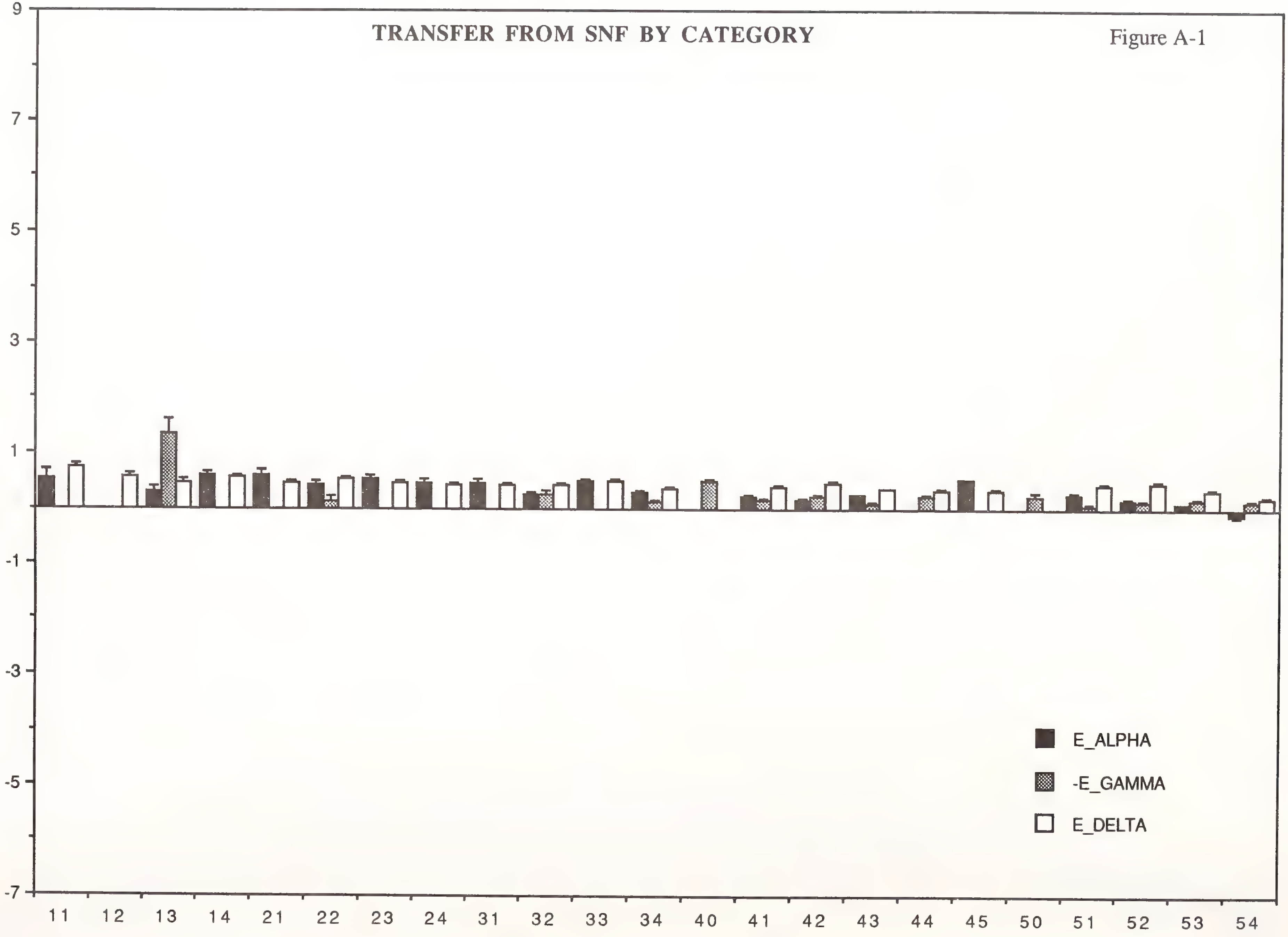


Figure A-1

TRANSFER FROM SNF BY CATEGORY

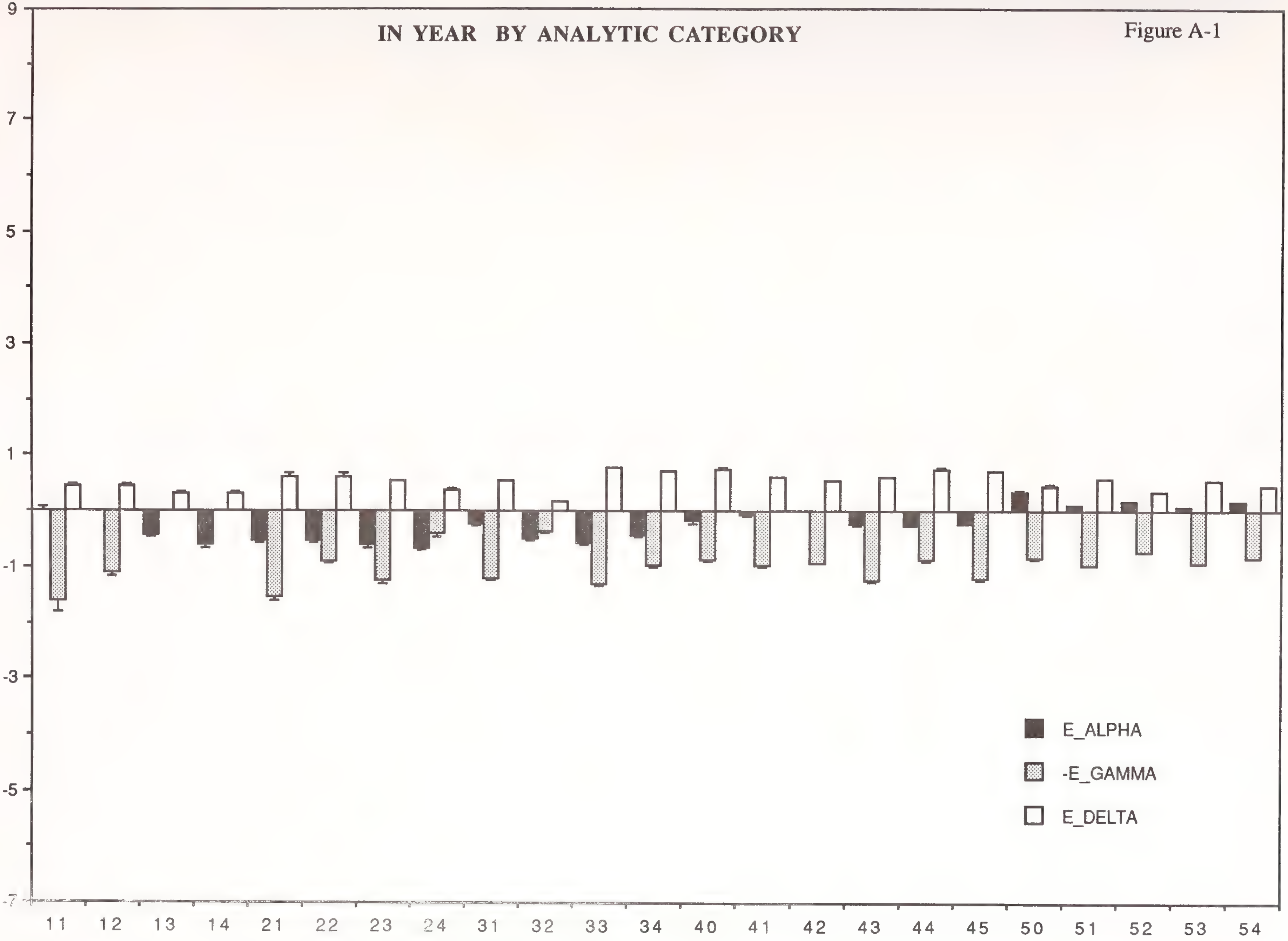


Figure A-1

IN YEAR BY ANALYTIC CATEGORY

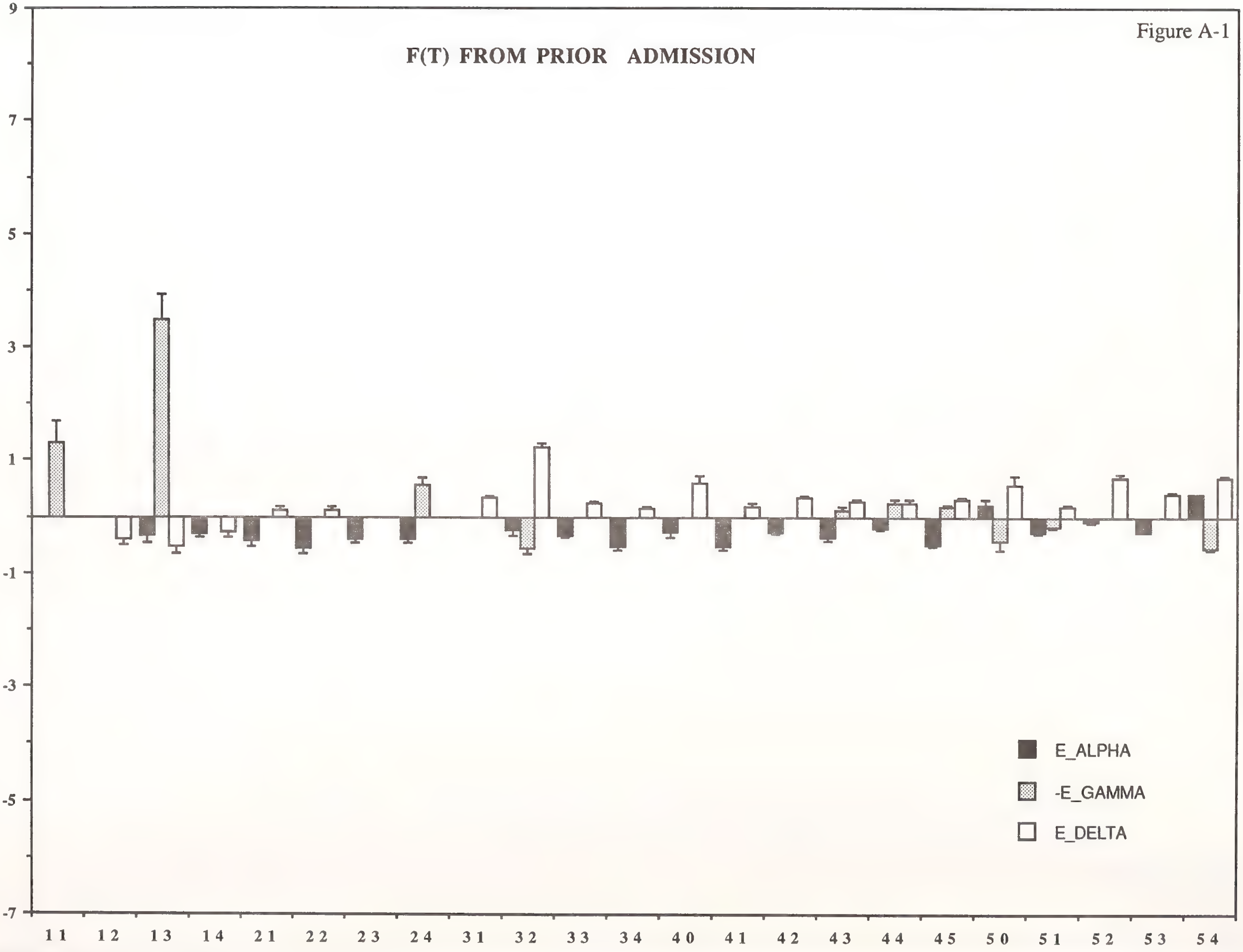
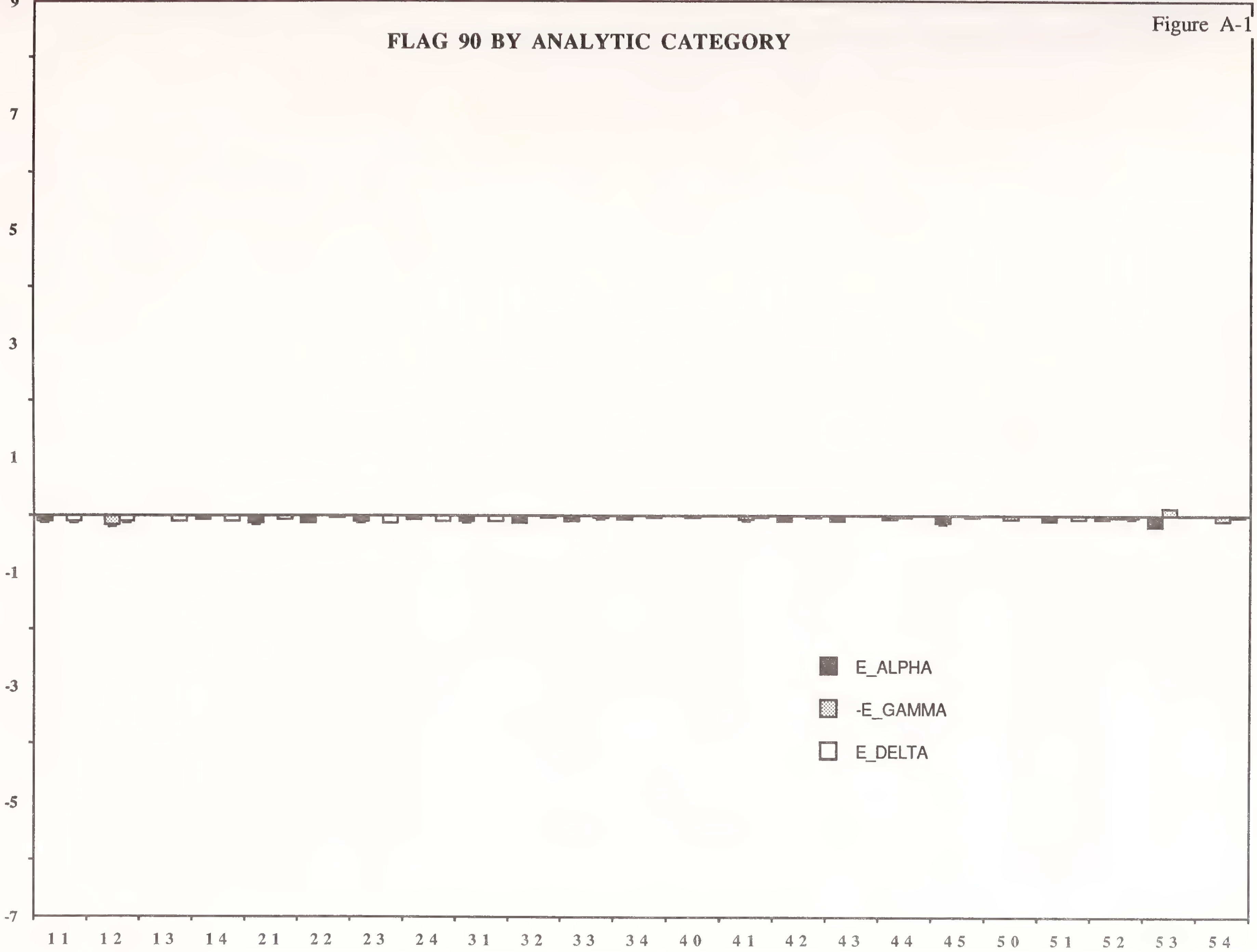


Figure A-1

F(T) FROM PRIOR ADMISSION

Figure A-1



FLAG 90 BY ANALYTIC CATEGORY

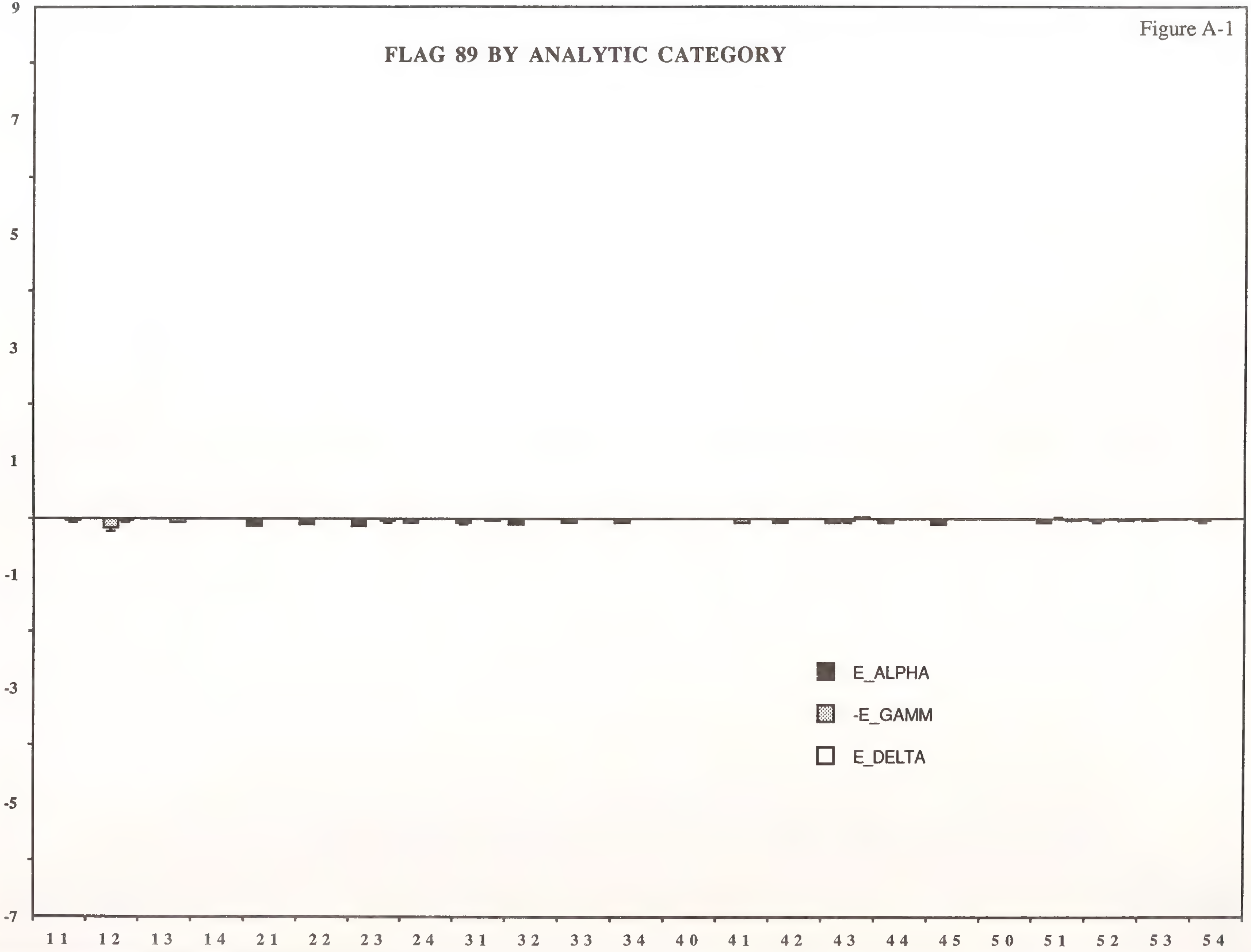


Figure A-1

FLAG 89 BY ANALYTIC CATEGORY

APPENDIX 1

ANALYTICAL CATEGORIES

The risk stratification for the analytical categories was accomplished in two steps. First, we developed an overall reference model on a sample of 600,000 cases (200,000 from each year) from the file of 19.5 million random admissions. From this model, we determined that the time for the overall initial excess risk to decline to one-half its value is 16 days.

Lifetable estimates for the mortality at 16 days were determined for all of the cases with each principal diagnosis ICD-9-CM code that appeared in the 3-year population of random admissions.

These mortality estimates were used to form five risk groups as quintiles of these estimates weighted by the number of persons in each group. The risk groups are divided by the 16-day mortality rates shown.

Models were developed for each of the five risk groups from the 600,000 case sample for 3 years of data. The models include indicators for years FY 1989 and FY 1990, with FY 1988 as the reference year. The coefficients for these models are in Table A-1. The offset methodology was applied to obtain offset estimates for each of the ICD-9-CM codes with more than 900 cases and at least one death (or for codes with year suffixes, with more than 300 cases and at least one death). For other cases, a pooled estimate was obtained for the other codes within each of the five risk groups. The results of these estimates were used to form two risk components for each code: the long-term risk component, δ, and a short-term risk component equal to the difference, $\alpha_{offset} - \gamma_{offset}$. The results are summarized in Table A-2.

Each of the five risk groups was further divided in half based on the weighted median of the δ offsets for each of the ICD-9-CM codes. The resulting groups were divided into two groups based on the weighted median within groups of the difference, $\alpha_{offset} - \gamma_{offset}$. Note that there is a group of other ICD-9-CM codes within each of the five risk groups which could not be estimated individually. Each group of other ICD-9-CM codes was included in the five risk groups as if they were a single code, unless there was clear evidence that they should be in a separate group. These codes were placed in separate groups based on a comparison of the survival model for the groups separately and pooled. Also, the single code in group 4-5 was at the median for the risk group. It had so many cases that it could not reasonably be placed on either side of the median, so a separate category was designated for this code.

Comments on the Process

The categories defined by this empirical process were extremely effective when compared with the previous analytical categories. However, codes that most would regard as similar may be separated into different categories because their estimates differ slightly.

We also observed some difficulties with the ICD-9-CM offset process which suggest that the first level of categories should be based on the long-term risk. In most instances, when there was difficulty estimating the offsets, the long–term mortality was quite different from the group in which the code had been placed based on the 16-day lifetable result. The following table demonstrates that the likelihood is improved by the new analytical categories. The improvement is measured by the difference in the loglikelihood for reference models using the two schemes for analytical categories. Twice this difference is shown as a Chi-square on 18 degrees of freedom of 318,107.

	Log Chi Square: Likelihood	Cases	LL./Case D.F.		Log: Ref. Likelihood	Cases	LL/Cases	Core	
1	-3,015,759	3,136,361	-0.96	11	-273,389	901,184	-0.30	33,399	55
2	-843,679	935,924	-0.90	12	-368,272	1,038,388	-0.35	37,861	61
3	-1,448,591	1,695,420	-0.85	13	-516,113	970,987	-0.53	50,214	61
4	-527,114	1,008,293	-0.52	14	-532,291	965,742	-0.55	65,109	61
5	-1,487,532	1,972,757	-0.75		-1,690,066	3,876,301	-0.44	186,583	238
6	-1,748,470	1,607,908	-1.09						
7	-7,334,718	3,930,742	-1.87	21	-726,143	893,642	-0.81	59,396	61
8	-6,541,180	2,613,773	-2.50	22	-705,537	850,382	-0.83	70,530	64
9	-920,078	331,093	-2.78	23	-876,054	871,114	-1.01	75,579	66
10	-783,130	216,004	-3.63	24	-965,789	863,565	-1.12	87,667	64
11	-619,654	236,266	-2.62		-3,273,523	3,478,703	-0.94	293,172	255
12	-2,023,466	750,282	-2.70						
13	-407,952	132,486	-3.08	31	-1,076,650	1,070,649	-1.01	97,893	65
14	-589,932	184,095	-3.20	32	-1,527,007	1,067,780	-1.43	212,952	74
15	-1,644,485	363,395	-4.53	33	-1,570,224	1,074,743	-1.46	138,555	69
16	-285,853	90,622	-3.15	34	-1,707,458	1,060,174	-1.61	129,331	67
17	-963,865	273,943	-3.52		-5,881,339	4,273,346	-1.38	578,731	275
	-31,185,458	19,479,364	-1.60						
				40	-290,564	127,509	-2.28	19,585	53
				41	-1,223,694	789,203	-1.71	91,542	69
				42	-1,350,851	755,631	-1.62	109,288	69
	Chi Sq. on 18 d.f.			43	-1,866,534	845,893	-2.21	130,531	74
				44	-1,542,861	560,208	-2.75	104,017	71
	318,107			45	-2,423,468	874,065	-2.77	93,683	60
					-8,697,972	3,952,509	-2.20	548,646	396
				50	-238,681	74,245	-3.21	13,743	56
				51	-2,534,618	1,093,416	-2.32	173,162	70
				52	-2,347,457	913,744	-2.57	156,296	75
				53	-2,890,180	946,173	-3.05	167,872	71
				54	-3,472,568	870,927	-3.99	185,050	75
					-11,483,504	3,898,505	-2.95	696,123	347
					-31,026,404	19,479,364	-1.59	2,303,255	1,511

Risk Class	Risk at 16 days				
Lowest Risk					
1	0	<0.009316,	**1-1**	$\delta_{off} < -0.0913$,	$\alpha_{off} - \gamma_{off} < -0.185$
			1-2	$\delta_{off} < -0.0913$,	$\alpha_{off} - \gamma_{off} \geq -0.185$
			1-3	$\delta_{off} \geq -0.0913$,	$\alpha_{off} - \gamma_{off} < 0.134$
			1-4	$\delta_{off} \geq -0.0913$,	$\alpha_{off} - \gamma_{off} \geq 0.134$
Low Risk					
2	0.009316	<0.020058,	**2-1**	$\delta_{off} < 0.004$,	$\alpha_{off} - \gamma_{off} < -0.0717$
			2-2	$\delta_{off} < 0.004$,	$\alpha_{off} - \gamma_{off} \geq -0.0717$
			2-3	$\delta_{off} \geq 0.004$,	$\alpha_{off} - \gamma_{off} < 0.151$
			2-4	$\delta_{off} \geq 0.004$,	$\alpha_{off} - \gamma_{off} \geq 0.151$
Median Risk					
3	0.020058	<0.044010,	**3-1**	$\delta_{off} < -0.074$,	$\alpha_{off} - \gamma_{off} < -0.278$
			3-2	$\delta_{off} < -0.074$,	$\alpha_{off} - \gamma_{off} \geq -0.278$
			3-3	$\delta_{off} \geq -0.074$,	$\alpha_{off} - \gamma_{off} < 0.093$
			3-4	$\delta_{off} \geq -0.074$,	$\alpha_{off} - \gamma_{off} \geq 0.093$
High Risk					
4	0.044010	<0.112630,	4-0	$\delta_{off} \geq -0.188$,	$\alpha_{off} - \gamma_{off}$ ≥ 0.031 (Other)
			4-1	$\delta_{off} < -0.188$,	$\alpha_{off} - \gamma_{off} < -0.225$
			4-2	$\delta_{off} < -0.188$,	$\alpha_{off} - \gamma_{off} \geq -0.225$
			4-3	$\delta_{off} \geq -0.188$,	$\alpha_{off} - \gamma_{off} < 0.031$
			4-4	$\delta_{off} \geq -0.188$,	$\alpha_{off} - \gamma_{off} \geq 0.031$
			4-5		
Highest Risk					
5	0.112630	1.000,	**5-0**	$\delta_{off} \geq -0.203$,	$\alpha_{off} - \gamma_{off}$ ≥ 0.384 (Other)
			5-1	$\delta_{off} < -0.203$,	$\alpha_{off} - \gamma_{off} < -0.307$
			5-2	$\delta_{off} < -0.203$,	$\alpha_{off} - \gamma_{off} \geq -0.307$
			5-3	$\delta_{off} \geq -0.203$,	$\alpha_{off} - \gamma_{off} < 0.384$
			5-4	$\delta_{off} \geq -0.203$,	$\alpha_{off} - \gamma_{off} \geq 0.384$

TABLE A-7: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION
FOR MODELS USED IN DETERMINING SECONDARY RISK CLASS STRATIFICATION
(600,000 RECORD SAMPLE OF FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 1

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-2.345	0.261	3.432	0.388	-3.535	0.065
SXFM	-0.764	0.231	-0.537	0.314	-0.526	0.051
AGEML	3.764	1.044	-8.686	3.097	3.667	0.649
AGEFM	6.171	0.996	-2.475	1.022	6.287	0.308
PREF	-0.595	0.161	-0.322	0.186	-0.119	0.051
TRSNF	0.000	.	0.000	.	0.791	0.132
ELCT	-0.363	0.357	-0.045	0.434	-0.541	0.128
EMRG	-0.100	0.167	-0.077	0.206	0.045	0.051
PREF_ELC	-0.345	0.393	-0.221	0.487	0.185	0.131
CCA	0.739	0.445	0.000	.	1.777	0.082
CCV	1.272	0.176	0.627	0.186	0.408	0.050
CLV	1.715	0.277	0.000	.	1.038	0.145
CRN	1.226	0.672	0.828	0.735	1.286	0.108
CDI	-0.460	0.359	-0.815	0.699	0.635	0.083
COP	0.016	0.243	-0.586	0.426	0.596	0.083
CCE	0.709	0.313	-0.854	0.510	0.716	0.150
COP_CCV	-0.440	0.337	0.000	.	-0.105	0.105
CCA_CCV	-1.329	0.921	0.000	.	-0.441	0.121
COP_CCA	0.000	.	0.000	.	0.000	.
CCE_CCV	-1.025	0.713	0.811	0.948	-0.325	0.228
CRN_CCV	-0.211	0.787	-1.113	0.857	-0.211	0.188
P_RISK1	0.031	0.198	-0.147	0.213	0.054	0.065
P_RISK2	-0.040	0.213	-0.149	0.290	0.210	0.066
P_RISK3	0.154	0.199	-0.362	0.302	0.200	0.058
P_RISK4	0.248	0.200	-0.385	0.321	0.628	0.057
P_RISK5	0.074	0.255	-0.648	0.460	0.640	0.072
INYEAR	-0.578	0.264	1.576	0.390	0.604	0.075
FLAG89	0.103	0.159	0.187	0.211	-0.107	0.045
FLAG90	0.017	0.173	0.253	0.248	-0.098	0.050
REFERENCE MODEL	-2.509	0.073	2.453	0.095	-3.208	0.019

NUMBER OF CASES	119,486
DEATHS (365 DAYS)	5,374
CHI-SQUARE	5,881
DEGREES OF FREEDOM	78

TABLE A-7: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION
FOR MODELS USED IN DETERMINING SECONDARY RISK CLASS STRATIFICATION
(600,000 RECORD SAMPLE OF FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 2

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-1.772	0.101	2.650	0.122	-3.145	0.048
SXFM	-0.097	0.061	0.000	.	-0.561	0.042
AGEML	2.267	0.431	-0.584	0.651	5.451	0.261
AGEFM	2.540	0.352	-1.215	0.494	6.310	0.211
PREF	-0.211	0.067	-0.063	0.089	-0.004	0.035
TRSNF	0.720	0.172	-0.170	0.225	0.449	0.118
ELCT	-0.302	0.164	0.000	.	0.222	0.095
EMRG	0.038	0.064	0.039	0.085	0.082	0.034
PREF_ELC	-0.231	0.178	0.000	.	-0.429	0.104
CCA	1.246	0.099	-2.439	0.205	0.000	.
CCV	0.954	0.083	0.368	0.095	0.220	0.034
CLV	1.041	0.213	0.259	0.230	0.816	0.123
CRN	0.610	0.174	-0.184	0.183	1.100	0.094
CDI	0.000	.	-0.405	0.098	0.433	0.049
COP	0.511	0.152	0.166	0.213	0.416	0.056
CCE	-0.241	0.184	-0.865	0.293	0.538	0.094
COP_CCV	-0.477	0.178	-0.437	0.270	-0.101	0.081
CCA_CCV	-0.926	0.156	0.282	0.324	0.000	.
COP_CCA	-0.175	0.211	0.228	0.909	0.424	0.737
CCE_CCV	0.293	0.264	0.470	0.373	-0.202	0.140
CRN_CCV	0.332	0.217	0.000	.	-0.237	0.128
P_RISK1	-0.281	0.102	-0.358	0.153	-0.253	0.088
P_RISK2	0.001	0.074	-0.091	0.127	0.212	0.045
P_RISK3	0.094	0.052	-0.179	0.095	0.188	0.047
P_RISK4	0.328	0.058	-0.237	0.102	0.496	0.043
P_RISK5	0.603	0.055	-0.152	0.093	0.492	0.051
INYEAR	-0.292	0.129	1.226	0.200	0.552	0.061
FLAG89	-0.070	0.047	0.000	.	0.000	.
FLAG90	-0.112	0.048	0.000	.	0.000	.
REFERENCE MODEL	-1.210	0.034	2.249	0.042	-2.454	0.015

NUMBER OF CASES	107,061
DEATHS (365 DAYS)	11,543
CHI-SQUARE	8,993
DEGREES OF FREEDOM	76

TABLE A-7: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION
FOR MODELS USED IN DETERMINING SECONDARY RISK CLASS STRATIFICATION
(600,000 RECORD SAMPLE OF FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 3

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	-0.997	0.068	2.653	0.070	-2.815	0.038
SXFM	-0.263	0.046	0.000	.	-0.264	0.031
AGEML	3.919	0.280	-1.144	0.364	3.621	0.213
AGEFM	3.522	0.255	-1.374	0.277	4.090	0.177
PREF	-0.226	0.048	-0.038	0.055	-0.026	0.029
TRSNF	0.451	0.131	0.026	0.164	0.560	0.088
ELCT	-0.382	0.109	0.000	.	-0.029	0.071
EMRG	0.060	0.046	0.042	0.052	0.044	0.028
PREF_ELC	-0.169	0.120	0.000	.	-0.176	0.076
CCA	1.130	0.065	-0.745	0.096	1.665	0.046
CCV	0.858	0.053	0.413	0.059	0.087	0.030
CLV	0.837	0.157	-0.026	0.186	0.715	0.109
CRN	1.150	0.096	0.146	0.097	0.973	0.060
CDI	0.000	.	-0.173	0.072	0.326	0.042
COP	0.260	0.085	-0.015	0.095	0.429	0.042
CCE	0.035	0.134	-0.101	0.171	0.495	0.062
COP_CCV	-0.248	0.105	-0.140	0.120	-0.046	0.058
CCA_CCV	-0.454	0.100	0.204	0.145	-0.321	0.072
COP_CCA	-0.362	0.144	0.030	0.211	-0.245	0.086
CCE_CCV	-0.217	0.180	-0.603	0.231	-0.159	0.128
CRN_CCV	-0.348	0.111	-0.109	.	-0.059	0.090
P_RISK1	-0.250	0.097	-0.149	0.119	0.019	0.056
P_RISK2	-0.049	0.065	-0.120	0.082	0.061	0.045
P_RISK3	-0.129	0.031	-0.364	0.051	0.117	0.022
P_RISK4	0.154	0.041	-0.404	0.061	0.384	0.032
P_RISK5	0.350	0.041	-0.266	0.061	0.513	0.031
INYEAR	-0.455	0.071	1.144	0.091	0.674	0.046
FLAG89	-0.089	0.032	0.000	.	0.000	.
FLAG90	-0.165	0.033	0.000	.	0.000	.
REFERENCE MODEL	-0.477	0.020	2.209	0.027	-2.115	0.013
NUMBER OF CASES	132,383					
DEATHS (365 DAYS)	22,229					
CHI-SQUARE	17,621					
DEGREES OF FREEDOM	78					

TABLE A-7: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION
FOR MODELS USED IN DETERMINING SECONDARY RISK CLASS STRATIFICATION
(600,000 RECORD SAMPLE OF FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 4

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	0.074	0.044	2.704	0.046	-2.265	0.031
SXFM	-0.203	0.028	0.000	.	-0.204	0.026
AGEML	3.111	0.172	-0.573	0.192	3.275	0.146
AGEFM	3.222	0.150	-0.554	0.162	3.279	0.134
PREF	-0.159	0.031	-0.064	0.035	0.044	0.024
TRSNF	0.308	0.073	-0.097	0.086	0.390	0.067
ELCT	-0.140	0.068	0.000	.	-0.035	0.065
EMRG	0.171	0.030	0.077	0.033	0.054	0.023
PREF_ELC	-0.210	0.076	0.000	.	-0.217	0.070
CCA	0.927	0.046	-0.450	0.063	1.345	0.043
CCV	0.714	0.032	0.343	0.035	0.290	0.024
CLV	0.583	0.101	-0.077	0.135	0.642	0.090
CRN	0.758	0.058	0.006	0.056	0.802	0.051
CDI	0.000	.	-0.083	0.037	0.239	0.031
COP	-0.122	0.056	-0.205	0.067	0.142	0.042
CCE	-0.099	0.079	-0.156	0.097	0.283	0.057
COP_CCV	0.065	0.069	0.095	0.082	-0.007	0.053
CCA_CCV	-0.687	0.074	-0.116	0.099	-0.437	0.069
COP_CCA	0.243	0.097	0.305	0.130	-0.229	0.093
CCE_CCV	-0.003	0.118	0.016	0.142	-0.046	0.089
CRN_CCV	-0.250	0.065	0.000	.	-0.229	0.067
P_RISK1	-0.085	0.071	0.078	0.085	-0.107	0.054
P_RISK2	-0.028	0.043	-0.165	0.053	0.104	0.037
P_RISK3	0.003	0.028	-0.174	0.037	0.073	0.029
P_RISK4	0.121	0.021	-0.220	0.027	0.325	0.020
P_RISK5	0.249	0.028	-0.183	0.039	0.420	0.027
INYEAR	-0.079	0.045	1.153	0.059	0.653	0.039
FLAG89	-0.100	0.021	0.000	.	0.000	.
FLAG90	-0.094	0.021	0.000	.	0.000	.
REFERENCE MODEL	0.726	0.013	2.516	0.015	-1.593	0.010

NUMBER OF CASES	121,842
DEATHS (365 DAYS)	36,968
CHI-SQUARE	17,281
DEGREES OF FREEDOM	78

TABLE A-7: MORTALITY ESTIMATES AND STANDARD ERRORS
SURVIVAL TIME FROM ADMISSION
FOR MODELS USED IN DETERMINING SECONDARY RISK CLASS STRATIFICATION
(600,000 RECORD SAMPLE OF FY 88-90 DATA CENSORED AT 365 DAYS)

GROUP 5

EXPLANATORY VARIABLES	ALPHA		GAMMA		DELTA	
	EST	SE	EST	SE	EST	SE
INT	1.680	0.029	3.360	0.030	-1.743	0.028
SXFM	-0.112	0.018	0.000	.	-0.209	0.024
AGEML	1.631	0.118	-1.310	0.128	2.281	0.138
AGEFM	1.491	0.107	-1.220	0.109	2.990	0.121
PREF	-0.249	0.021	-0.119	0.024	-0.023	0.023
TRSNF	-0.004	0.050	-0.399	0.061	0.222	0.070
ELCT	-0.178	0.051	0.000	.	0.100	0.062
EMRG	0.209	0.020	0.085	0.023	0.024	0.022
PREF_ELC	-0.299	0.060	0.000	.	0.097	0.068
CCA	0.293	0.028	-0.951	0.038	1.315	0.034
CCV	0.503	0.022	0.172	0.024	0.009	0.023
CLV	0.400	0.052	-0.372	0.061	0.420	0.075
CRN	0.406	0.047	-0.089	0.045	0.346	0.059
CDI	0.000	.	-0.056	0.024	0.127	0.031
COP	-0.362	0.038	-0.211	0.042	0.093	0.032
CCE	-0.307	0.055	-0.172	0.062	0.187	0.046
COP_CCV	-0.089	0.047	-0.123	0.053	0.044	0.045
CCA_CCV	-0.254	0.044	0.188	0.059	-0.257	0.057
COP_CCA	0.358	0.055	0.306	0.075	-0.047	0.064
CCE_CCV	-0.066	0.081	-0.179	0.090	0.004	0.080
CRN_CCV	-0.077	0.052	0.000	.	0.199	0.082
P_RISK1	-0.164	0.049	-0.066	0.055	-0.022	0.050
P_RISK2	0.009	0.031	-0.050	0.036	-0.015	0.038
P_RISK3	0.016	0.021	-0.107	0.027	0.098	0.025
P_RISK4	0.095	0.021	-0.096	0.028	0.388	0.023
P_RISK5	0.107	0.017	-0.243	0.024	0.363	0.022
INYEAR	0.185	0.031	0.896	0.038	0.521	0.035
FLAG89	-0.045	0.014	0.000	.	0.000	.
FLAG90	-0.100	0.014	0.000	.	0.000	.
REFERENCE MODEL	1.909	0.009	2.913	0.010	-1.259	0.009

NUMBER OF CASES	120,366
DEATHS (365 DAYS)	56,523
CHI-SQUARE	22,557
DEGREES OF FREEDOM	78

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE RISK INITAL	RELATIVE RISK LONG TERM	RISK STRATA
V51	0.2	0.405	1.111	1-3
V54.0	0.2	0.650	1.061	1-3
V55.3	0.6	1.041	0.849	1-2
V58.4	0.6	0.838	1.087	1-3
V67.0	0.3	0.094	1.249	1-3
V71.1	0.7	34.732	1.093	1-4
V71.7	0.4	0.756	0.913	1-3
005.9	0.6	0.834	0.587	1-2
008.8	0.9	0.711	1.251	1-3
034.0	0.8	0.651	1.368	1-3
035	0.5	0.746	1.124	1-3
053.20	0.9	2.219	1.587	1-4
173.1	0.6	1.941	0.779	1-2
173.7	0.7	0.843	1.929	1-3
174.0	0.7	1.084	0.828	1-2
174.1	0.6	0.649	0.963	1-3
174.2	0.4	1.436	0.674	1-2
174.3	0.4	1.267	0.779	1-2
174.4	0.4	0.818	0.713	1-1
174.5	0.4	1.321	0.680	1-2
188.6	0.9	2.900	1.636	1-4
190.6	0.6	0.566	1.476	1-3
210.2	0.1	32.865	0.656	1-2
211.3	0.8	1.627	1.298	1-4
211.4	0.5	1.176	1.238	1-4
214.1	0.0	1.000	0.566	1-2
214.3	0.6	4.634	0.568	1-2
214.8	0.1	0.006	0.822	1-1
217	0.1	1.000	0.941	1-3
218.0	0.3	1.699	0.527	1-2
218.1	0.3	2.276	0.837	1-2
218.2	0.3	2.375	0.923	1-4
218.9	0.4	2.720	1.014	1-4
220	0.3	1.376	0.603	1-2
223.3	0.3	0.320	1.502	1-3
226	0.2	0.830	0.636	1-1
227.1	0.3	1.248	0.868	1-2
233.0	0.1	0.504	0.664	1-1
233.1	0.2	17.540	0.545	1-2
233.3	0.3	1.000	1.617	1-3
233.7	0.6	2.715	0.948	1-4
241.0	0.1	0.457	0.539	1-1
241.1	0.4	2.792	0.580	1-2 .
241.9	0.3	1.324	0.778	1-2
245.2	0.1	1.611	0.641	1-2
250.50(88)	0.2	1.000	2.416	1-3
250.50(89)	0.8	1.525	2.369	1-4
250.50(90)	0.2	221.452	0.920	1-4
250.51(88)	0.4	0.641	2.803	1-3
250.51(89)	0.6	2.051	1.531	1-4
250.51(90)	0.4	8.552	1.894	1-4
250.60(89)	0.8	4.055	2.069	1-4
290.21	0.6	3.843	1.876	1-4
293.81	0.9	2.411	2.360	1-4
295.30	0.3	2.267	1.505	1-4
295.32	0.1	6.708	0.924	1-4
295.34	0.2	6.025	0.952	1-4
295.60	0.2	1.555	1.056	1-4
295.62	0.2	2.146	1.526	1-4
295.64	0.2	0.504	1.382	1-3
295.70	0.1	1.584	1.293	1-4
295.74	0.1	1.000	1.417	1-3
295.90	0.2	3.653	1.310	1-4
295.94	0.3	1.238	0.895	1-2
296.20	0.8	2.103	1.574	1-4
296.24	0.5	7.855	1.087	1-4
296.30	0.4	0.802	1.442	1-3
296.33	0.4	1.473	1.362	1-4
296.34	0.4	1.605	1.451	1-4
296.40	0.1	13.110	0.581	1-2
296.44	0.2	2.357	1.013	1-4
296.50	0.2	0.536	1.118	1-3
296.60	0.0	1.665	0.981	1-4
296.7	0.3	1.716	1.369	1-4
297.9	0.5	1.927	1.520	1-4
300.00	0.7	0.575	1.065	1-3
300.01	0.4	0.338	1.198	1-3
300.11	0.3	0.771	1.157	1-3
300.4	0.4	1.084	1.344	1-3
303.00	0.7	0.528	1.510	1-3
303.01	0.7	0.777	1.440	1-3
303.90	0.5	0.944	1.314	1-3
303.91	0.4	0.369	1.501	1-3
304.01	0.6	24.581	2.135	1-4
304.11	0.7	1.433	1.492	1-4
304.21	0.1	0.458	1.738	1-3
305.00	0.8	0.847	1.668	1-3
306.1	0.6	0.673	1.309	1-3
307.81	0.1	0.487	0.888	1-1
309.0	0.6	1.124	1.619	1-3
309.28	0.5	1.542	1.451	1-4
310.2	0.7	1.761	1.737	1-4
311	0.9	1.976	1.802	1-4
337.0	0.3	0.519	1.082	1-3
340	0.7	8.405	2.517	1-4
345.4 (88)	0.8	1.000	2.345	1-3
345.4 (89)	0.9	1.018	2.112	1-3
346.8	0.0	1.000	0.638	1-2
346.9	0.2	0.212	0.929	1-3
350.1	0.7	0.921	1.069	1-3
351.0	0.5	0.443	1.071	1-3
353.8	0.5	0.585	1.817	1-3
354.0	0.1	0.031	0.983	1-3
354.2	0.4	0.224	0.996	1-3
355.8	0.9	1.277	1.781	1-4
360.00	0.4	1.013	1.313	1-3
360.01	0.9	0.549	1.640	1-3
361.00	0.1	0.311	0.824	1-1
361.01	0.0	1.000	0.549	1-2
361.02	0.2	0.254	0.613	1-1
361.05	0.2	0.049	1.038	1-3
361.81	0.1	0.072	1.439	1-3
361.89	0.0	0.222	0.823	1-1
361.9	0.1	0.428	0.944	1-3
362.34	0.2	0.552	0.811	1-1
362.56	0.0	1.000	0.589	1-2
365.10	0.1	0.115	0.858	1-1
365.11	0.1	0.283	0.787	1-1
365.20	0.1	0.073	1.572	1-3
365.22	0.4	0.765	1.190	1-3
365.89	0.1	0.188	0.776	1-1
365.9	0.3	0.340	0.939	1-3
366.10	0.2	1.000	1.236	1-3
366.14	0.1	1.000	1.529	1-3
366.16	0.2	0.172	1.220	1-3
366.17	0.2	1.000	1.225	1-3
366.19	0.2	1.000	1.142	1-3
366.8	0.1	0.109	1.373	1-3
366.9	0.4	0.304	1.575	1-3
370.00	0.5	0.788	1.907	1-3
370.06	0.6	0.417	2.297	1-3
371.00	0.0	1.000	0.800	1-2
371.20	0.1	0.676	0.756	1-1
371.23	0.1	655.657	0.822	1-2
371.57	0.1	0.019	0.702	1-1
375.56	0.3	0.254	0.557	1-1
376.01	0.9	2.467	1.343	1-4
379.23	0.2	0.020	1.632	1-3
379.31	0.3	0.157	1.305	1-3
380.10	0.8	1.233	1.527	1-4
382.9	0.2	0.494	1.259	1-3
383.1	0.3	1.809	1.117	1-4
384.20	0.0	1.000	0.625	1-2
385.30	0.2	1.239	0.732	1-2
386.00	0.2	0.352	0.565	1-1
386.10	0.2	0.369	0.694	1-1
386.11	0.3	0.316	0.634	1-1
386.12	0.0	0.008	0.598	1-1
386.30	0.2	0.152	0.650	1-1
386.35	0.1	0.557	0.550	1-1
386.50	0.2	1.000	0.549	1-2
387.9	0.0	1.000	0.313	1-2
401.9	0.8	0.904	1.221	1-3
413.1	0.9	1.580	0.669	1-2
435.0	0.6	0.726	1.074	1-3
435.1	0.6	0.382	1.136	1-3
435.2	0.7	2.220	1.253	1-4
435.8	0.7	1.000	1.386	1-3
446.5	0.8	2.525	2.190	1-4
451.0	0.4	0.543	1.139	1-3
454.0	0.8	1.560	1.584	1-4
454.9	0.1	88.926	0.442	1-2
455.0	0.2	1.988	0.811	1-2
455.1	0.4	0.835	1.337	1-3
455.2	0.6	1.110	1.342	1-3
455.3	0.3	0.008	0.935	1-3
455.4	0.5	1.843	1.401	1-4
455.5	0.8	1.689	1.464	1-4
455.6	0.3	0.726	1.015	1-3
461.0	0.8	1.175	1.316	1-4
461.9	0.7	1.008	1.063	1-3
470	0.2	0.435	0.737	1-1
471.0	0.1	0.073	0.545	1-1
471.9	0.2	0.845	0.412	1-2
473.0	0.2	0.285	1.060	1-3
473.2	0.3	1.453	0.472	1-2
473.8	0.1	0.132	1.133	1-3
473.9	0.4	0.964	1.013	1-3
475	0.6	1.649	0.890	1-2
478.1	0.3	2.388	1.271	1-4
478.5	0.7	0.688	1.340	1-3
493.00	0.3	2.045	1.325	1-4
511.0	0.7	0.648	1.422	1-3
521.0	0.6	2.713	1.791	1-4
522.5	0.7	1.281	2.030	1-4
524.6	0.2	2.650	1.642	1-4
532.70	0.8	2.479	1.438	1-4
533.30	0.9	1.244	1.397	1-4
540.9	0.7	1.222	0.611	1-2
550.90	0.3	0.297	1.013	1-3
550.91	0.3	0.196	0.891	1-1
550.92	0.3	0.326	0.931	1-3
550.93	0.4	0.603	0.978	1-3
553.00	0.4	1.135	0.745	1-2
553.1	0.5	1.243	1.174	1-4
553.20	0.6	0.942	1.093	1-3
553.21	0.4	0.510	0.913	1-1
553.29	0.6	1.409	0.877	1-2
553.3	0.7	1.338	0.990	1-4
565.0	0.5	1.334	1.338	1-4
565.1	0.8	2.701	1.264	1-4
569.0	0.7	0.500	1.468	1-3
569.2	0.7	2.282	1.295	1-4
574.10	0.9	1.625	0.999	1-4
592.0	0.4	1.027	0.942	1-3
592.1	0.3	0.532	0.570	1-1
593.2	0.6	2.322	0.984	1-4
593.3	0.8	1.351	1.889	1-4
594.1	0.7	1.000	1.411	1-3
594.2	0.8	1.186	0.969	1-4
595.1	0.4	2.313	1.176	1-4
595.2	0.5	3.063	1.370	1-4
596.0	0.8	1.293	0.965	1-4
596.3	0.6	35.463	0.275	1-2
596.5	0.9	0.984	1.978	1-3
598.2	0.5	1.951	0.597	1-2
598.8	0.4	1.816	1.258	1-4
598.9	0.9	0.872	1.309	1-3
599.3	0.2	2.254	0.869	1-2
600	0.5	0.832	0.908	1-2
601.0	0.4	0.908	0.893	1-2
601.1	0.4	1.222	0.935	1-4
601.9	0.8	1.661	0.941	1-4
602.1	0.8	0.370	1.431	1-3
603.9	0.2	1.395	0.734	1-2
604.90	0.5	0.516	1.023	1-3
604.99	0.6	0.850	0.964	1-3
605	0.9	4.125	1.199	1-4
607.84	0.1	0.092	0.652	1-1
608.1	0.0	0.037	0.436	1-1
610.1	0.1	0.141	0.797	1-1
611.0	0.6	1.317	1.722	1-4
611.1	0.1	1.000	0.604	1-2
611.72	0.5	4.201	0.943	1-4
614.6	0.4	1.268	0.946	1-4
617.0	0.3	1.721	0.697	1-2
618.0	0.1	0.340	0.503	1-1
618.1	0.2	0.496	0.610	1-1
618.2	0.1	0.284	0.385	1-1
618.3	0.2	0.650	0.522	1-1
618.4	0.2	0.462	0.476	1-1
618.5	0.1	0.195	0.459	1-1
618.6	0.1	1.000	0.352	1-2
618.8	0.1	0.374	0.468	1-1
620.2	0.4	1.014	0.878	1-2
621.0	0.2	0.624	0.972	1-3
621.3	0.2	0.580	0.605	1-1
622.1	0.2	1.305	0.707	1-2
625.6	0.1	0.274	0.560	1-1
626.2	0.1	6.994	1.502	1-4
626.8	0.3	2.072	1.180	1-4
627.1	0.6	0.883	1.583	1-3
650	0.0	16.864	2.156	1-4
654.21	0.0	1.000	0.947	1-3
681.00	0.5	1.040	1.540	1-3
692.9	0.9	1.890	1.671	1-4
695.4	0.7	2.498	2.392	1-4
696.1	0.8	2.346	1.183	1-4
706.2	0.4	1.526	1.207	1-4
708.0	0.5	0.561	0.777	1-1
709.2	0.3	0.684	1.138	1-3
714.0	0.5	2.164	1.790	1-4
715.09	0.8	0.931	1.121	1-3
715.15	0.4	0.898	0.657	1-2
715.16	0.4	1.177	0.600	1-2
715.31	0.1	0.190	0.648	1-1
715.35	0.4	1.084	0.632	1-2
715.36	0.4	0.973	0.601	1-2
715.89	0.6	0.914	1.312	1-3
715.91	0.1	1.579	0.572	1-2
715.94	0.1	0.512	0.484	1-1
715.95	0.5	1.451	0.713	1-2
715.96	0.5	1.141	0.654	1-2

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
715.97	0.2	0.548	0.728	1-1
715.98	0.6	1.433	1.150	1-4
716.15	0.4	0.960	1.074	1-3
716.16	0.3	1.131	0.644	1-2
716.95	0.4	0.987	1.029	1-3
716.96	0.4	0.497	1.048	1-3
718.31	0.5	1.960	1.239	1-4
719.16	0.5	0.604	1.234	1-3
719.41	0.6	0.498	1.874	1-3
721.0	0.4	0.793	1.242	1-3
721.3	0.5	1.238	1.169	1-4
721.42	0.8	1.722	1.066	1-4
721.90	0.8	1.073	1.411	1-3
722.0	0.2	1.360	0.808	1-2
722.10	0.2	0.727	0.759	1-1
722.2	0.6	0.907	1.089	1-3
722.4	0.3	0.453	1.390	1-3
722.52	0.4	0.939	1.062	1-3
722.71	0.6	1.000	1.791	1-3
722.73	0.3	1.346	0.907	1-2
722.83	0.2	2.217	0.931	1-4
722.93	0.4	1.514	0.873	1-2
723.0	0.7	5.013	1.337	1-4
723.1	0.8	0.512	1.843	1-3
723.4	0.5	1.214	1.287	1-4
724.00	0.8	1.800	1.357	1-4
724.02	0.4	1.087	0.930	1-3
724.2	0.9	1.661	1.572	1-4
724.3	0.4	0.735	1.055	1-3
724.4	0.4	0.842	1.217	1-3
724.6	0.6	1.567	1.533	1-4
724.8	0.8	1.124	1.397	1-3
725	0.4	3.482	1.526	1-4
726.0	0.2	1.377	0.728	1-2
726.10	0.3	1.485	0.805	1-2
726.2	0.1	0.293	0.474	1-1
726.33	0.7	1.003	1.503	1-3
726.5	0.3	0.923	1.329	1-3
726.65	0.2	0.459	1.025	1-3
726.91	0.2	1.425	0.694	1-2
727.00	0.4	1.562	1.113	1-4
727.05	0.1	0.921	0.919	1-3
727.1	0.0	0.483	0.464	1-1
727.51	0.0	0.031	0.801	1-1
727.61	0.2	0.435	0.572	1-1
728.6	0.1	0.092	0.580	1-1
728.85	0.6	0.865	1.108	1-3
729.1	0.4	1.050	1.023	1-3
729.2	0.5	0.926	1.361	1-3
730.16	0.6	1.163	1.552	1-4
730.17	0.8	6.015	1.390	1-4
733.42	0.7	1.622	1.246	1-4
733.81	0.5	0.692	1.367	1-3
733.82	0.8	1.068	1.395	1-3
733.99	0.3	0.545	0.981	1-3
735.0	0.0	0.058	0.507	1-1
735.2	0.1	0.792	0.181	1-1
735.4	0.1	0.365	0.740	1-1
736.79	0.1	1.000	1.014	1-3
738.4	0.4	1.341	0.957	1-4
753.1 (90)	0.9	6.899	0.903	1-2
756.12	0.5	1.100	1.071	1-3
780.4	0.3	0.200	0.900	1-1
780.53	0.9	3.976	1.394	1-4
782.0	0.3	0.629	0.994	1-3
784.0	0.6	0.577	1.266	1-3
785.1	0.2	0.303	0.579	1-1
786.01	0.8	0.682	1.019	1-3
786.50	0.5	0.605	0.897	1-1
786.51	0.5	0.623	0.911	1-1
786.52	0.4	0.524	1.038	1-3
786.59	0.4	0.376	0.742	1-1
788.0	0.3	0.700	0.639	1-1
788.3	0.6	1.592	1.342	1-4
790.8	0.9	1.176	0.881	1-2
794.31	0.4	1.245	1.304	1-4
813.01	0.6	1.035	1.085	1-3
813.05	0.4	0.645	0.852	1-1
813.41	0.5	0.710	0.959	1-3
813.42	0.5	0.794	0.984	1-3
813.44	0.6	1.225	0.865	1-2
813.83	0.5	0.914	0.908	1-2
814.00	0.9	2.177	0.872	1-2
816.11	0.1	0.195	0.903	1-1
822.0	0.6	0.992	0.808	1-2
823.00	0.8	1.528	1.060	1-4
824.0	0.6	0.739	1.179	1-3
824.2	0.3	0.803	0.922	1-3
824.4	0.5	1.295	0.834	1-2
824.6	0.4	1.249	0.715	1-2
825.0	0.0	0.323	0.674	1-1

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
836.0	0.0	0.058	0.473	1-1
840.4	0.1	0.322	0.517	1-1
843.8	0.8	1.026	1.025	1-3
844.8	0.4	1.213	0.576	1-2
844.9	0.4	1.325	1.170	1-4
845.09	0.3	0.357	0.822	1-1
846.0	0.5	1.037	1.125	1-3
846.9	0.9	1.224	1.383	1-4
847.0	0.7	1.265	1.068	1-4
847.1	0.9	1.082	1.421	1-3
847.2	0.6	1.309	1.079	1-4
847.9	0.9	0.427	1.702	1-3
850.1	0.8	0.996	1.113	1-3
866.01	0.9	1.134	0.913	1-2
871.1	0.6	3.330	1.221	1-4
882.1	0.8	0.725	1.207	1-3
883.1	0.2	0.065	0.786	1-1
883.2	0.1	0.264	0.498	1-1
886.0	0.3	0.121	0.640	1-1
891.1	0.7	1.606	1.307	1-4
892.1	0.3	1.012	1.032	1-3
924.11	0.7	0.554	1.373	1-3
935.1	0.7	0.581	1.345	1-3
989.5	0.4	0.776	0.394	1-1
995.1	0.8	1.166	1.061	1-4
996.01	0.8	0.539	1.461	1-3
996.39	0.7	1.328	1.550	1-4
996.4	0.7	1.665	1.031	1-4
996.51(88)	0.1	1.000	0.894	1-2
996.51(89)	0.1	0.207	0.888	1-1
996.51(90)	0.3	1.302	0.459	1-2
996.53(88)	0.1	0.165	0.752	1-1
996.53(89)	0.3	0.230	0.972	1-3
996.53(90)	0.0	1.000	0.894	1-2
996.77(90)	0.7	1.497	0.799	1-2
996.78(90)	0.5	1.430	1.058	1-4
996.81(88)	0.5	1.000	2.010	1-3
996.81(89)	0.5	39.396	1.794	1-4
996.81(90)	0.9	16.816	1.844	1-4
997.9	0.3	0.796	1.003	1-3
998.8	0.6	0.613	1.248	1-3
OTHER	0.3	1.191	1.343	1-4

OTHER				
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
V02.3	0.0	1	1	1-4
V07.0	0.0	3	0	1-4
V07.1	0.0	1	0	1-4
V07.2	0.0	2	0	1-4
V07.3	0.0	7	4	1-4
V07.8	0.5	375	33	1-4
V10.06	0.0	2	0	1-4
V10.07	.	1	1	1-4
V10.11	0.0	1	1	1-4
V10.21	0.0	1	0	1-4
V10.41	0.0	1	1	1-4
V10.42	0.0	2	1	1-4
V10.46	0.0	1	0	1-4
V10.51	0.0	6	0	1-4
V10.82	0.0	2	1	1-4
V10.83	0.0	2	0	1-4
V12.0	0.0	2	1	1-4
V12.5	0.0	7	1	1-4
V12.6	0.0	1	0	1-4
V12.7	0.0	1	0	1-4
V13.0	0.0	1	0	1-4
V13.8	0.0	1	0	1-4
V13.9	0.0	1	0	1-4
V14.6	0.0	1	0	1-4
V15.5	0.0	2	0	1-4
V15.81	0.0	1	0	1-4
V15.89	0.0	1	0	1-4
V16.3	0.0	1	0	1-4
V17.8	0.0	2	0	1-4
V22.2	0.0	1	0	1-4
V24.0	0.0	111	0	1-4
V25.2	0.0	194	2	1-4
V26.0	0.0	18	0	1-4
V28.0	0.0	1	0	1-4
V30.0 (88)	0.0	2	1	1-4
V30.0 (89)	0.0	2	1	1-4
V30.00(90)	0.0	2	0	1-4
V40.9	0.0	1	0	1-4
V42.0	0.0	7	0	1-4
V42.1	0.0	2	0	1-4
V43.3	0.0	5	1	1-4
V43.4	0.0	1	0	1-4
V43.6	0.0	6	0	1-4
V43.8	0.0	1	0	1-4
V44.1	0.0	2	1	1-4
V44.2	0.0	2	0	1-4
V44.3	0.0	11	1	1-4
V44.6	0.0	1	1	1-4
V45.0	0.0	4	0	1-4
V45.3	0.0	1	0	1-4
V45.4	.	1	1	1-4
V45.6	0.0	2	0	1-4
V45.81	0.0	7	2	1-4
V46.1	0.0	2	2	1-4
V48.1	0.0	1	1	1-4
V48.6	0.0	1	0	1-4
V49.1	0.0	1	0	1-4
V49.2	0.0	1	0	1-4
V50.0	0.0	1	1	1-4
V50.1	0.0	307	4	1-4
V50.2	0.0	1	0	1-4
V50.8	0.0	1	0	1-4
V52.0	0.0	2	0	1-4
V52.1	0.0	23	3	1-4
V52.2	0.0	5	0	1-4
V52.3	0.0	3	0	1-4
V52.4	0.0	48	0	1-4
V52.8	0.0	94	7	1-4
V53.0	0.0	30	1	1-4
V53.3	0.6	865	83	1-4
V53.5	0.0	14	5	1-4
V53.6	0.0	4	3	1-4
V54.8	0.0	55	1	1-4
V54.9	0.0	16	3	1-4
V55.5	0.0	38	6	1-4
V55.7	0.0	2	0	1-4
V55.9	0.0	2	0	1-4
V57.0	0.0	1	0	1-4
V57.4	0.0	1	0	1-4
V57.81	0.0	7	2	1-4
V58.2	0.0	3	1	1-4
V58.3	0.0	5	0	1-4
V58.9	0.0	8	1	1-4
V59.1	0.0	6	5	1-4
V59.3	0.0	30	3	1-4
V59.4	0.0	32	0	1-4
V59.5	0.0	1	0	1-4
V59.8	0.0	1	0	1-4
V60.0	0.0	2	0	1-4
V60.1	0.0	4	0	1-4
V60.2	0.0	1	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
V60.3	0.0	17	2	1-4	011.36	0.0	2	0	1-4	015.84	0.0	3	1	1-4
V60.8	0.0	1	0	1-4	011.42	0.0	17	4	1-4	015.85	0.0	2	0	1-4
V61.1	0.0	1	0	1-4	011.51	0.0	1	0	1-4	015.90	0.0	4	0	1-4
V61.20	0.0	1	0	1-4	011.52	0.0	7	1	1-4	015.96	0.0	2	0	1-4
V61.21	0.0	1	0	1-4	011.54	0.0	5	2	1-4	016.01	0.0	1	0	1-4
V61.8	0.0	4	1	1-4	011.55	0.0	6	1	1-4	016.02	0.0	6	0	1-4
V62.0	0.0	1	0	1-4	011.56	0.0	1	1	1-4	016.03	0.0	1	0	1-4
V62.4	0.0	1	0	1-4	011.70	0.0	11	3	1-4	016.04	0.0	3	0	1-4
V62.89	0.0	1	0	1-4	011.72	.	1	1	1-4	016.06	0.0	2	0	1-4
V63.8	0.0	13	4	1-4	011.73	0.0	6	1	1-4	016.10	0.0	8	0	1-4
V64.0	0.0	1	0	1-4	011.74	0.0	1	0	1-4	016.12	0.0	1	0	1-4
V64.2	0.0	3	1	1-4	011.75	0.0	1	1	1-4	016.15	0.0	4	0	1-4
V65.2	0.0	30	2	1-4	011.76	0.0	4	2	1-4	016.25	0.0	1	1	1-4
V65.5	0.0	4	0	1-4	011.81	0.0	3	1	1-4	016.30	0.0	4	0	1-4
V66.1	0.0	1	1	1-4	011.86	0.0	12	2	1-4	016.32	0.0	1	1	1-4
V66.2	0.0	8	4	1-4	012.01	0.0	10	2	1-4	016.33	.	1	1	1-4
V66.3	0.0	1	0	1-4	012.03	0.0	28	12	1-4	016.34	0.0	1	0	1-4
V66.4	0.0	18	2	1-4	012.06	0.0	31	5	1-4	016.40	0.0	2	0	1-4
V66.6	.	1	1	1-4	012.10	0.0	5	2	1-4	016.42	0.0	1	0	1-4
V67.1	0.8	127	16	1-4	012.14	0.0	1	0	1-4	016.43	0.0	1	0	1-4
V67.2	0.3	362	54	1-4	012.15	0.0	4	0	1-4	016.50	0.0	8	0	1-4
V67.3	0.0	4	0	1-4	012.16	0.0	2	0	1-4	016.52	0.0	1	0	1-4
V67.51	0.2	448	34	1-4	012.20	0.0	2	0	1-4	016.53	0.0	1	0	1-4
V67.9	0.0	3	0	1-4	012.23	0.0	1	0	1-4	016.55	0.0	3	0	1-4
V68.81	0.0	1	0	1-4	012.30	0.0	4	1	1-4	016.56	0.0	1	0	1-4
V68.89	0.0	3	1	1-4	012.33	0.0	1	0	1-4	016.70	0.0	2	0	1-4
V68.9	0.0	4	1	1-4	012.34	0.0	1	0	1-4	016.90	0.0	7	0	1-4
V70.7	0.0	42	4	1-4	012.80	0.0	6	1	1-4	016.92	0.0	1	0	1-4
V71.01	0.0	17	1	1-4	012.82	0.0	2	0	1-4	016.94	0.0	1	1	1-4
V71.2	0.0	90	22	1-4	012.83	0.0	2	0	1-4	016.96	0.0	2	1	1-4
V71.3	0.0	2	0	1-4	012.84	0.0	1	0	1-4	017.00	0.9	110	11	1-4
V71.5	0.0	30	1	1-4	012.85	0.0	3	0	1-4	017.02	0.0	1	0	1-4
V72.5	0.0	5	0	1-4	012.86	0.0	2	0	1-4	017.03	0.0	1	0	1-4
V72.6	0.0	10	0	1-4	013.01	0.0	1	1	1-4	017.04	0.0	1	0	1-4
V76.8	0.0	1	0	1-4	013.02	0.0	14	5	1-4	017.05	0.0	3	0	1-4
V78.0	0.0	1	0	1-4	013.05	0.0	6	2	1-4	017.06	0.0	1	0	1-4
V78.1	0.0	2	0	1-4	013.06	0.0	17	4	1-4	017.10	0.0	2	0	1-4
V81.0	0.0	1	0	1-4	013.10	0.0	1	0	1-4	017.20	0.0	23	5	1-4
V81.5	0.0	1	0	1-4	013.15	0.0	1	0	1-4	017.22	0.0	1	0	1-4
001.0	0.0	9	1	1-4	013.20	0.0	4	0	1-4	017.23	0.0	6	2	1-4
001.1	0.0	3	0	1-4	013.23	0.0	2	0	1-4	017.24	0.0	5	1	1-4
001.9	0.0	8	3	1-4	013.24	0.0	1	1	1-4	017.25	0.0	21	2	1-4
002.1	0.0	17	0	1-4	013.30	0.0	1	0	1-4	017.30	0.0	2	0	1-4
002.2	0.0	5	0	1-4	013.33	0.0	1	0	1-4	017.40	.	1	1	1-4
002.9	0.0	15	1	1-4	013.34	0.0	1	0	1-4	017.45	0.0	1	0	1-4
003.20	0.0	2	0	1-4	013.40	0.0	2	0	1-4	017.60	0.0	6	2	1-4
003.21	0.0	1	0	1-4	013.42	0.0	1	0	1-4	017.64	0.0	1	0	1-4
003.24	0.0	20	2	1-4	013.44	0.0	1	0	1-4	017.65	0.0	1	1	1-4
004.0	0.0	30	3	1-4	013.45	0.0	2	0	1-4	017.66	0.0	2	0	1-4
004.2	0.0	11	1	1-4	013.50	0.0	4	0	1-4	017.75	0.0	1	1	1-4
004.3	0.0	130	4	1-4	013.52	0.0	1	0	1-4	017.80	0.0	2	1	1-4
005.0	0.4	252	10	1-4	013.60	0.0	2	0	1-4	017.91	0.0	5	3	1-4
005.2	0.0	8	0	1-4	013.63	0.0	1	0	1-4	017.92	0.0	7	2	1-4
005.3	0.0	14	1	1-4	013.65	0.0	1	1	1-4	017.96	0.0	11	4	1-4
005.8	0.0	54	4	1-4	013.80	0.0	1	1	1-4	018.01	0.0	2	1	1-4
006.2	0.0	7	2	1-4	013.95	0.0	3	1	1-4	018.02	0.0	4	2	1-4
006.3	0.0	41	3	1-4	014.02	0.0	2	1	1-4	018.82	0.0	2	2	1-4
006.4	0.0	7	0	1-4	014.03	0.0	4	2	1-4	018.83	0.0	10	7	1-4
006.6	0.0	1	1	1-4	014.04	0.0	9	4	1-4	018.91	0.0	4	1	1-4
006.9	0.0	67	4	1-4	014.05	0.0	8	2	1-4	020.0	0.0	3	0	1-4
007.0	0.0	3	0	1-4	014.06	0.0	5	1	1-4	020.2	0.0	2	0	1-4
007.1	0.3	620	41	1-4	014.80	0.0	15	6	1-4	020.3	0.0	1	0	1-4
007.3	0.0	5	0	1-4	014.83	0.0	3	2	1-4	020.5	0.0	7	1	1-4
007.8	0.0	23	1	1-4	015.01	0.0	4	0	1-4	020.8	0.0	2	0	1-4
007.9	0.0	5	1	1-4	015.02	0.0	7	1	1-4	021.0	0.0	8	0	1-4
008.1	0.0	7	1	1-4	015.03	0.0	8	1	1-4	021.1	0.0	3	0	1-4
008.2	0.0	19	4	1-4	015.04	0.0	12	5	1-4	021.3	.	1	1	1-4
010.00	0.0	6	2	1-4	015.06	0.0	12	3	1-4	021.8	0.0	15	0	1-4
010.03	0.0	1	0	1-4	015.10	0.0	15	3	1-4	021.9	0.0	63	3	1-4
010.04	0.0	1	0	1-4	015.11	0.0	1	0	1-4	022.1	0.0	3	0	1-4
010.05	0.0	1	1	1-4	015.12	0.0	1	0	1-4	022.3	0.0	2	1	1-4
010.10	0.0	18	8	1-4	015.13	0.0	2	0	1-4	022.9	0.0	2	0	1-4
010.12	0.0	7	2	1-4	015.14	0.0	2	1	1-4	023.8	0.0	5	1	1-4
010.14	0.0	4	2	1-4	015.15	0.0	5	2	1-4	023.9	0.0	24	2	1-4
010.16	0.0	3	2	1-4	015.16	0.0	6	0	1-4	024	0.0	1	1	1-4
010.92	0.0	2	1	1-4	015.20	0.0	12	2	1-4	025	0.0	1	0	1-4
010.93	0.0	5	1	1-4	015.24	0.0	4	1	1-4	026.9	0.0	3	0	1-4
010.95	0.0	2	0	1-4	015.25	0.0	2	0	1-4	027.1	0.0	44	3	1-4
010.96	0.0	5	1	1-4	015.26	0.0	2	1	1-4	027.8	0.0	7	1	1-4
011.01	0.0	1	1	1-4	015.50	0.0	6	1	1-4	030.0	0.0	12	1	1-4
011.05	0.0	13	3	1-4	015.52	0.0	1	0	1-4	030.1	0.0	3	0	1-4
011.10	0.0	25	6	1-4	015.53	0.0	1	0	1-4	030.2	0.0	2	1	1-4
011.11	0.0	1	1	1-4	015.55	0.0	2	0	1-4	030.3	0.0	3	0	1-4
011.12	0.0	5	1	1-4	015.60	0.0	2	0	1-4	030.9	0.0	11	1	1-4
011.14	0.0	7	2	1-4	015.70	0.0	5	1	1-4	031.1	0.0	15	4	1-4
011.15	0.0	14	1	1-4	015.71	0.0	1	0	1-4	032.0	0.0	1	1	1-4
011.16	0.0	8	1	1-4	015.73	0.0	3	0	1-4	032.1	0.0	2	1	1-4
011.31	.	1	1	1-4	015.75	0.0	3	0	1-4	032.81	0.0	1	0	1-4
011.32	0.0	3	0	1-4	015.76	0.0	1	0	1-4	032.82	0.0	1	0	1-4
011.34	0.0	12	2	1-4	015.80	0.0	8	1	1-4	032.83	0.0	9	3	1-4
011.35	0.0	5	1	1-4	015.82	0.0	2	0	1-4	032.85	0.0	1	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
032.9	0.0	3	2	1-4
034.1	0.0	18	2	1-4
036.41	0.0	1	0	1-4
036.42	.	1	1	1-4
036.82	0.0	5	1	1-4
036.9	0.0	4	1	1-4
039.0	0.0	23	4	1-4
039.2	0.0	13	2	1-4
039.4	0.0	3	0	1-4
040.1	0.0	3	1	1-4
040.2	0.0	45	2	1-4
040.81	0.0	1	1	1-4
043.0 (89)	0.0	1	0	1-4
043.0 (90)	0.0	1	1	1-4
043.2 (89)	.	1	1	1-4
044.0 (88)	0.0	1	1	1-4
044.0 (89)	0.0	1	0	1-4
044.0 (90)	0.0	1	0	1-4
045.10	0.0	7	0	1-4
045.90	0.0	6	1	1-4
046.0	0.0	1	0	1-4
046.8	0.0	3	0	1-4
046.9	0.0	2	1	1-4
047.0	0.0	1	0	1-4
047.1	0.0	2	0	1-4
049.1	0.0	2	0	1-4
050.0	0.0	1	0	1-4
050.1	0.0	2	0	1-4
051.0	0.0	5	0	1-4
051.2	0.0	6	1	1-4
052.0	0.0	11	2	1-4
052.8	0.0	14	1	1-4
053.22	0.0	26	5	1-4
054.0	0.0	17	3	1-4
054.11	0.0	37	1	1-4
054.12	0.0	10	1	1-4
054.19	0.0	17	3	1-4
054.40	0.0	3	1	1-4
054.41	0.0	7	0	1-4
054.42	0.0	8	3	1-4
054.43	0.0	182	11	1-4
054.44	0.0	17	3	1-4
054.49	0.0	17	1	1-4
054.5	0.0	25	6	1-4
054.6	0.0	5	0	1-4
054.71	0.0	11	4	1-4
054.73	0.0	3	1	1-4
054.8	0.0	11	3	1-4
055.0	0.0	1	1	1-4
055.71	0.0	1	0	1-4
055.79	0.0	3	0	1-4
055.9	0.0	26	0	1-4
056.01	0.0	1	0	1-4
056.79	0.0	1	0	1-4
056.8	0.0	1	0	1-4
056.9	0.0	2	0	1-4
057.0	0.0	4	2	1-4
057.8	0.0	12	0	1-4
060.0	0.0	9	1	1-4
060.1	0.0	2	1	1-4
060.9	0.0	1	0	1-4
061	0.0	54	1	1-4
062.5	0.0	4	3	1-4
062.9	0.0	2	1	1-4
063.1	0.0	1	0	1-4
063.8	0.0	3	0	1-4
064	0.0	1	0	1-4
065.9	0.0	1	0	1-4
066.0	0.0	1	0	1-4
066.1	0.0	80	0	1-4
066.3	0.0	1	0	1-4
066.8	0.0	1	0	1-4
066.9	0.0	4	0	1-4
071	0.0	3	1	1-4
072.0	0.0	2	0	1-4
072.1	0.0	1	0	1-4
072.3	0.0	3	0	1-4
072.8	0.0	1	0	1-4
073.0	0.0	40	1	1-4
073.7	0.0	2	1	1-4
073.9	0.0	10	0	1-4
074.1	0.4	247	7	1-4
074.21	0.0	18	0	1-4
074.23	0.0	5	0	1-4
074.3	0.0	5	0	1-4
074.8	0.0	10	2	1-4
075	0.0	314	27	1-4
076.0	0.0	1	1	1-4
076.1	0.0	1	0	1-4
076.9	0.0	3	0	1-4
077.0	0.0	1	0	1-4
077.1	0.0	1	0	1-4
077.3	0.0	1	0	1-4
077.4	0.0	4	0	1-4
077.8	0.0	1	0	1-4
077.9	0.0	24	6	1-4
078.0	0.0	2	0	1-4
078.1	0.6	495	25	1-4
078.2	0.0	4	2	1-4
078.4	0.0	2	0	1-4
078.6	0.0	1	0	1-4
078.81	0.0	12	0	1-4
078.82	0.0	8	0	1-4
078.89	0.7	744	53	1-4
079.1	0.0	4	0	1-4
079.2	0.0	13	2	1-4
079.3	0.0	3	0	1-4
080	0.0	2	1	1-4
081.0	0.0	20	0	1-4
082.1	0.0	1	0	1-4
082.8	0.0	6	0	1-4
083.2	0.0	7	0	1-4
083.8	0.0	8	2	1-4
084.1	0.0	17	2	1-4
084.2	0.0	4	1	1-4
084.3	0.0	2	0	1-4
084.4	0.0	3	0	1-4
085.2	0.0	2	0	1-4
086.5	0.0	1	0	1-4
086.9	0.0	1	0	1-4
087.0	0.0	1	0	1-4
087.1	0.0	2	0	1-4
088.0	0.0	8	0	1-4
088.8 (88)	0.0	192	12	1-4
088.8 (89)	0.4	280	20	1-4
088.81(90)	0.0	300	11	1-4
088.89(90)	0.0	4	1	1-4
090.3	0.0	20	0	1-4
090.40	0.0	4	0	1-4
090.41	0.0	1	0	1-4
090.49	0.0	3	0	1-4
090.5	0.0	1	1	1-4
090.6	0.0	2	0	1-4
090.7	0.0	2	0	1-4
090.9	0.0	3	1	1-4
091.0	0.0	10	0	1-4
091.2	0.0	6	1	1-4
091.3	0.0	71	3	1-4
091.4	0.0	2	0	1-4
091.50	0.0	3	0	1-4
091.51	0.0	6	0	1-4
091.52	0.0	4	0	1-4
091.7	0.0	1	0	1-4
091.81	0.0	2	0	1-4
091.89	0.0	3	0	1-4
091.9	0.0	13	1	1-4
092.9	0.0	5	1	1-4
093.1	0.0	9	3	1-4
093.20	0.0	1	0	1-4
093.22	0.0	6	0	1-4
093.81	0.0	1	0	1-4
093.89	0.0	1	0	1-4
093.9	0.0	5	0	1-4
094.0	0.4	253	17	1-4
094.1	0.0	80	23	1-4
094.2	0.0	28	5	1-4
094.3	0.0	15	5	1-4
094.81	0.0	3	1	1-4
094.82	0.0	2	1	1-4
094.84	0.0	19	0	1-4
094.85	0.0	2	1	1-4
094.86	0.0	4	1	1-4
094.87	0.0	3	1	1-4
094.9	0.7	453	55	1-4
095.0	0.0	1	1	1-4
095.3	0.0	1	0	1-4
095.4	0.0	1	0	1-4
095.8	0.0	63	3	1-4
095.9	0.0	7	0	1-4
096.6	.	1	1	1-4
098.0	0.0	21	0	1-4
098.10	0.0	1	0	1-4
098.12	0.0	2	1	1-4
098.13	0.0	9	0	1-4
098.15	0.0	2	0	1-4
098.16	0.0	4	0	1-4
098.17	0.0	8	0	1-4
098.19	0.0	11	0	1-4
098.2	0.0	20	2	1-4
098.32	0.0	2	0	1-4
098.33	0.0	3	1	1-4
098.35	0.0	1	0	1-4
098.37	0.0	3	0	1-4
098.40	0.0	4	0	1-4
098.42	0.0	1	1	1-4
098.43	0.0	2	1	1-4
098.50	0.0	40	0	1-4
098.51	0.0	1	0	1-4
098.7	0.0	1	0	1-4
098.86	0.0	5	0	1-4
099.0	0.0	12	1	1-4
099.1	0.0	18	0	1-4
099.2	0.0	11	1	1-4
099.3	0.0	70	5	1-4
099.4	0.0	3	0	1-4
099.9	0.0	2	0	1-4
100.0	0.0	12	4	1-4
100.81	0.0	1	0	1-4
100.89	0.0	1	0	1-4
100.9	0.0	11	1	1-4
102.5	0.0	1	1	1-4
102.7	0.0	1	0	1-4
102.8	0.0	1	0	1-4
103.3	0.0	2	0	1-4
104.0	.	2	2	1-4
104.8	0.0	8	1	1-4
110.0	0.0	1	0	1-4
110.1	0.0	61	2	1-4
110.2	0.0	7	0	1-4
110.4	0.0	70	5	1-4
110.6	0.0	2	0	1-4
111.8	0.0	19	6	1-4
111.9	0.0	40	10	1-4
112.1	0.9	111	14	1-4
112.82	0.0	6	0	1-4
114.1	0.0	4	0	1-4
114.9	0.0	6	0	1-4
115.15	0.0	2	1	1-4
115.91	0.0	5	2	1-4
115.92	0.0	1	0	1-4
116.1	0.0	2	1	1-4
117.0	0.0	1	1	1-4
117.1	0.0	37	5	1-4
117.2	0.0	3	0	1-4
117.4	0.0	8	3	1-4
117.8	0.0	4	1	1-4
120.1	0.0	2	0	1-4
120.2	0.0	1	0	1-4
120.3	0.0	1	0	1-4
120.9	0.0	3	0	1-4
121.0	0.0	1	1	1-4
121.1	0.0	3	0	1-4
121.2	0.0	1	0	1-4
121.4	0.0	1	0	1-4
121.6	0.0	1	1	1-4
122.0	0.0	5	0	1-4
122.7	0.0	1	0	1-4
122.8	0.0	15	1	1-4
122.9	0.0	5	0	1-4
123.1	0.0	26	3	1-4
123.3	0.0	2	0	1-4
123.4	0.0	4	1	1-4
123.6	0.0	2	0	1-4
123.8	0.0	1	0	1-4
123.9	0.0	2	0	1-4
124	0.0	5	1	1-4
125.0	0.0	1	0	1-4
125.4	0.0	1	1	1-4
125.9	0.0	4	1	1-4
126.3	0.0	1	1	1-4
127.3	0.0	2	0	1-4
127.4	0.0	6	0	1-4
127.7	0.0	1	0	1-4
127.9	0.0	3	1	1-4
128.1	0.0	1	0	1-4
128.8	0.0	2	0	1-4
128.9	0.0	2	0	1-4
130.1	0.0	1	0	1-4
130.2	0.0	13	1	1-4
130.4	0.0	5	0	1-4
130.5	0.0	1	0	1-4
131.00	0.0	10	2	1-4
131.01	0.0	23	2	1-4
131.02	0.0	3	0	1-4
131.09	0.0	9	0	1-4
131.9	0.0	2	0	1-4
132.0	0.0	6	0	1-4
132.1	0.0	4	2	1-4
133.8	0.0	2	1	1-4
134.1	0.0	2	0	1-4
134.2	0.0	1	0	1-4
136.0	0.0	4	1	1-4
136.1	0.0	78	13	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
136.2	0.0	3	0	1-4	213.2	0.4	255	20	1-4	237.65	.	1	1	1-4
136.4	0.0	1	0	1-4	213.3	0.0	100	5	1-4	237.9	0.0	39	10	1-4
137.3	0.0	2	0	1-4	213.4	0.0	77	2	1-4	238.1	0.9	327	33	1-4
137.4	0.0	1	0	1-4	213.5	0.0	50	0	1-4	238.3	0.8	119	9	1-4
140.0	0.0	110	17	1-4	213.7	0.0	262	8	1-4	238.5	0.0	1	0	1-4
140.1	0.2	630	64	1-4	213.8	0.0	140	3	1-4	239.3	0.0	85	8	1-4
140.3	0.0	52	5	1-4	214.0	0.0	94	1	1-4	240.0	0.0	28	2	1-4
140.5	0.0	10	4	1-4	214.2	0.0	101	6	1-4	242.00	0.3	862	46	1-4
140.6	0.0	36	5	1-4	214.4	0.0	109	5	1-4	242.10	0.0	142	6	1-4
140.8	0.0	59	17	1-4	215.0	0.4	272	9	1-4	242.11	0.0	12	1	1-4
141.5	0.0	22	6	1-4	215.2	0.5	196	11	1-4	242.30	0.6	350	19	1-4
142.2	0.0	30	0	1-4	215.3	0.0	314	10	1-4	242.40	0.0	7	0	1-4
146.6	0.0	30	13	1-4	215.4	0.6	181	4	1-4	242.41	0.0	2	0	1-4
149.1	0.0	3	2	1-4	215.6	0.5	212	6	1-4	243	0.0	4	0	1-4
172.1	0.0	45	10	1-4	215.7	0.0	76	2	1-4	244.1	0.0	73	10	1-4
173.0	0.9	436	31	1-4	215.8	0.0	131	5	1-4	245.0	0.9	107	14	1-4
175.0	0.7	436	39	1-4	216.0	0.0	3	0	1-4	245.1	0.7	138	7	1-4
183.3	0.0	24	7	1-4	216.1	0.0	42	2	1-4	245.4	0.0	7	1	1-4
183.4	0.0	10	5	1-4	216.2	0.0	34	1	1-4	245.8	0.0	102	2	1-4
186.0	0.0	16	1	1-4	216.3	0.0	73	3	1-4	245.9	0.0	80	3	1-4
187.2	0.7	411	72	1-4	216.4	0.0	78	3	1-4	246.1	0.0	11	2	1-4
187.5	0.0	16	4	1-4	216.5	0.0	169	14	1-4	246.2	0.4	479	7	1-4
187.9	0.0	6	2	1-4	216.6	0.0	45	3	1-4	246.3	0.0	46	3	1-4
189.4	0.0	5	2	1-4	216.7	0.0	104	3	1-4	251.5	0.7	141	28	1-4
190.2	0.0	13	2	1-4	216.8	0.0	15	0	1-4	251.9	0.0	12	1	1-4
190.3	0.0	82	6	1-4	216.9	0.0	7	0	1-4	252.8	0.0	24	2	1-4
190.4	0.0	19	2	1-4	219.0	0.0	105	3	1-4	252.9	0.0	6	1	1-4
194.5	0.0	11	3	1-4	219.1	0.0	257	8	1-4	253.0	0.0	36	4	1-4
200.26	0.0	4	3	1-4	221.0	0.6	158	6	1-4	253.1	0.0	14	1	1-4
201.01	0.0	2	1	1-4	221.1	0.0	52	0	1-4	253.3	0.0	6	3	1-4
201.02	0.0	1	1	1-4	221.2	0.0	68	1	1-4	253.4	0.0	8	0	1-4
201.10	0.0	3	2	1-4	221.8	0.0	102	2	1-4	253.7	0.0	58	6	1-4
201.11	0.0	2	0	1-4	221.9	0.0	2	0	1-4	253.8	0.0	143	19	1-4
201.13	0.0	1	1	1-4	222.0	0.0	73	3	1-4	254.0	0.0	6	0	1-4
201.14	0.0	1	0	1-4	222.1	0.0	16	2	1-4	254.8	0.0	65	2	1-4
201.20	.	1	1	1-4	222.2	0.0	132	6	1-4	254.9	0.0	4	0	1-4
201.28	0.0	2	2	1-4	222.3	0.0	28	3	1-4	255.2	0.0	31	4	1-4
201.41	0.0	23	3	1-4	222.4	0.0	15	2	1-4	255.6	0.0	3	1	1-4
201.42	0.0	10	2	1-4	222.8	0.0	14	0	1-4	256.0	0.0	9	0	1-4
201.43	0.0	14	9	1-4	223.2	0.0	64	4	1-4	256.1	0.0	5	1	1-4
201.45	0.0	4	2	1-4	223.89	0.0	2	0	1-4	256.2	0.0	3	0	1-4
201.46	0.0	1	1	1-4	223.9	0.0	3	0	1-4	256.4	0.0	42	0	1-4
201.47	0.0	2	0	1-4	224.0	0.0	5	1	1-4	256.8	0.0	24	0	1-4
201.54	0.0	30	11	1-4	224.1	0.0	95	2	1-4	256.9	0.0	2	0	1-4
201.56	0.0	7	0	1-4	224.2	0.0	16	0	1-4	257.0	0.0	3	3	1-4
201.57	0.0	6	1	1-4	224.3	0.0	13	0	1-4	257.1	0.0	3	1	1-4
201.64	0.0	34	15	1-4	224.4	0.0	2	0	1-4	257.2	0.0	11	0	1-4
201.66	0.0	6	1	1-4	224.5	0.0	1	1	1-4	257.8	0.0	3	1	1-4
201.74	0.0	13	8	1-4	224.6	0.0	4	0	1-4	257.9	.	1	1	1-4
201.76	0.0	1	1	1-4	224.7	0.0	7	0	1-4	258.8	0.0	10	4	1-4
202.12	0.0	5	3	1-4	224.8	0.0	2	0	1-4	259.0	0.0	16	1	1-4
202.14	0.0	19	7	1-4	224.9	0.0	2	0	1-4	259.1	0.0	1	0	1-4
202.17	0.0	1	1	1-4	225.3	0.8	396	19	1-4	259.9	0.0	44	3	1-4
202.21	0.0	4	2	1-4	225.8	0.0	22	0	1-4	263.2	0.0	5	0	1-4
202.22	0.0	1	1	1-4	225.9	0.0	17	2	1-4	264.0	0.0	1	0	1-4
202.23	0.0	1	0	1-4	227.4	0.0	3	0	1-4	264.1	0.0	1	0	1-4
202.25	0.0	2	1	1-4	227.6	0.0	34	1	1-4	264.2	0.0	1	0	1-4
202.33	0.0	8	3	1-4	227.9	0.0	3	0	1-4	264.4	0.0	1	0	1-4
202.35	0.0	6	2	1-4	228.01	0.0	127	5	1-4	264.8	0.0	1	0	1-4
202.36	0.0	1	1	1-4	228.03	0.0	6	0	1-4	264.9	0.0	1	1	1-4
202.37	0.0	3	3	1-4	229.0	0.5	197	12	1-4	266.1	0.0	1	0	1-4
202.41	0.0	3	2	1-4	229.8	0.6	491	38	1-4	266.2	0.8	608	72	1-4
202.42	0.0	3	3	1-4	229.9	0.0	7	0	1-4	267	0.0	19	3	1-4
202.44	0.0	1	0	1-4	230.0	0.6	312	22	1-4	268.0	0.0	2	0	1-4
202.45	0.0	3	1	1-4	230.5	0.0	14	1	1-4	268.1	0.0	3	0	1-4
202.50	0.0	2	0	1-4	230.7	0.0	46	6	1-4	268.9	0.0	14	2	1-4
202.51	0.0	2	0	1-4	231.8	0.0	13	2	1-4	269.0	0.0	14	2	1-4
202.52	0.0	3	0	1-4	232.0	0.0	7	0	1-4	269.1	0.0	14	1	1-4
202.55	0.0	2	1	1-4	232.1	0.0	17	1	1-4	269.2	0.0	13	1	1-4
202.58	0.0	1	1	1-4	232.2	0.0	15	1	1-4	270.0	0.0	12	0	1-4
202.62	0.0	1	0	1-4	232.5	0.0	106	6	1-4	270.2	0.0	15	1	1-4
202.63	0.0	7	3	1-4	232.7	0.0	190	5	1-4	270.3	0.0	5	1	1-4
202.65	0.0	1	1	1-4	232.8	0.0	17	2	1-4	270.4	0.0	4	1	1-4
202.66	0.0	1	1	1-4	232.9	0.0	4	0	1-4	270.8	0.0	1	0	1-4
202.67	0.0	3	2	1-4	233.2	0.0	591	11	1-4	270.9	0.0	4	1	1-4
202.95	0.0	3	0	1-4	233.4	0.8	237	21	1-4	271.0	0.0	19	1	1-4
202.97	0.0	1	1	1-4	233.5	0.0	83	3	1-4	271.3	0.4	228	27	1-4
207.1	0.0	6	1	1-4	233.6	0.0	6	0	1-4	271.4	0.0	5	1	1-4
210.0	0.0	18	2	1-4	233.9	0.7	149	17	1-4	271.8	0.0	13	2	1-4
210.1	0.8	125	9	1-4	234.0	0.0	17	0	1-4	271.9	0.0	4	2	1-4
210.3	0.0	32	2	1-4	234.9	0.0	6	2	1-4	272.0	0.0	112	5	1-4
210.4	0.8	262	14	1-4	235.1	0.0	75	19	1-4	272.1	0.0	88	5	1-4
210.5	0.0	15	0	1-4	235.9	0.0	68	12	1-4	272.3	0.0	17	1	1-4
210.7	0.0	50	5	1-4	236.1	0.0	3	1	1-4	272.5	0.0	7	2	1-4
210.9	0.0	48	1	1-4	236.3	0.0	62	4	1-4	272.6	0.0	63	1	1-4
212.0	0.3	881	26	1-4	236.4	0.0	19	0	1-4	272.8	0.0	92	8	1-4
212.1	0.5	372	17	1-4	236.6	0.0	7	0	1-4	272.9	0.0	5	1	1-4
212.5	0.6	168	13	1-4	236.90	0.0	1	1	1-4	274.11	0.6	181	13	1-4
212.6	0.7	300	13	1-4	236.99	0.0	16	1	1-4	274.19	0.0	6	0	1-4
212.8	0.0	4	0	1-4	237.1	0.0	19	7	1-4	274.81	0.0	1	1	1-4
213.1	0.5	186	6	1-4	237.4	0.0	85	9	1-4	274.89	0.8	119	18	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	OTHER MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
275.9	0.0	7	2	1-4
277.2	0.0	2	0	1-4
278.1	0.5	415	13	1-4
278.2	0.0	2	0	1-4
279.02	0.0	1	0	1-4
279.04	0.0	2	1	1-4
279.06	0.0	36	3	1-4
279.10	0.0	2	0	1-4
279.12	0.0	5	0	1-4
279.9	0.0	21	3	1-4
280.1	0.7	441	70	1-4
281.4	0.0	11	5	1-4
282.1	0.0	12	2	1-4
282.2	0.0	32	6	1-4
282.3	0.0	12	2	1-4
282.5	0.0	11	1	1-4
282.69	0.0	7	2	1-4
289.3	0.7	544	56	1-4
289.50	0.0	11	4	1-4
289.6	0.0	12	0	1-4
289.7	0.0	46	3	1-4
290.13	0.8	238	39	1-4
291.4	0.0	23	1	1-4
291.5	0.0	38	4	1-4
292.83	0.0	21	0	1-4
294.0	0.4	274	31	1-4
295.00	0.5	191	44	1-4
295.01	0.0	1	0	1-4
295.02	0.0	14	0	1-4
295.04	0.0	26	1	1-4
295.10	0.0	120	2	1-4
295.11	0.0	1	0	1-4
295.12	0.0	74	1	1-4
295.13	0.0	8	1	1-4
295.14	0.0	133	3	1-4
295.15	0.0	3	0	1-4
295.21	0.0	4	2	1-4
295.22	0.0	42	1	1-4
295.23	0.0	26	2	1-4
295.24	0.0	148	9	1-4
295.25	0.0	2	0	1-4
295.31	0.0	26	1	1-4
295.33	0.0	230	8	1-4
295.40	0.7	142	6	1-4
295.41	0.0	3	0	1-4
295.43	0.0	16	1	1-4
295.45	0.0	2	0	1-4
295.50	0.0	22	2	1-4
295.53	0.0	3	0	1-4
295.54	0.0	9	0	1-4
295.61	0.0	12	0	1-4
295.63	0.0	61	1	1-4
295.65	0.0	38	2	1-4
295.71	0.0	12	0	1-4
295.72	0.0	400	9	1-4
295.73	0.0	135	1	1-4
295.75	0.0	24	0	1-4
295.80	0.3	320	11	1-4
295.81	0.0	4	0	1-4
295.82	0.0	66	3	1-4
295.83	0.0	37	0	1-4
295.84	0.6	355	9	1-4
295.85	0.0	3	0	1-4
295.91	0.0	15	0	1-4
295.92	0.0	572	14	1-4
295.93	0.0	84	1	1-4
295.95	0.0	11	0	1-4
296.00	0.5	400	35	1-4
296.01	0.0	6	1	1-4
296.02	0.0	7	1	1-4
296.03	0.0	37	2	1-4
296.05	0.0	2	0	1-4
296.06	0.0	1	0	1-4
296.10	0.0	200	10	1-4
296.11	0.0	6	0	1-4
296.12	0.0	14	1	1-4
296.14	0.8	122	8	1-4
296.15	0.0	1	0	1-4
296.2	0.0	1	0	1-4
296.21	0.8	120	12	1-4
296.22	0.5	394	28	1-4
296.25	0.0	36	2	1-4
296.26	0.0	13	1	1-4
296.31	0.0	76	2	1-4
296.32	0.2	571	29	1-4
296.35	0.0	65	4	1-4
296.36	0.0	15	0	1-4
296.41	0.0	30	1	1-4
296.42	0.0	120	2	1-4
296.43	0.2	429	13	1-4
296.45	0.0	38	0	1-4
296.46	0.0	12	0	1-4
296.51	0.0	14	0	1-4
296.52	0.0	69	4	1-4
296.53	0.6	482	20	1-4
296.54	0.0	476	20	1-4
296.55	0.0	14	1	1-4
296.56	0.0	5	0	1-4
296.61	0.0	6	0	1-4
296.62	0.0	59	3	1-4
296.63	0.5	204	5	1-4
296.64	0.2	471	10	1-4
296.65	0.0	15	2	1-4
296.66	0.0	6	0	1-4
296.81	0.0	135	7	1-4
296.82	0.6	837	56	1-4
296.90	0.5	640	50	1-4
296.99	0.0	131	8	1-4
297.1	0.7	575	45	1-4
297.3	0.0	13	1	1-4
298.4	0.0	19	4	1-4
299.00	0.0	21	0	1-4
299.01	0.0	2	0	1-4
299.10	0.0	2	0	1-4
299.80	0.0	20	0	1-4
299.90	0.0	2	0	1-4
300.02	0.2	661	33	1-4
300.09	0.0	38	3	1-4
300.10	0.0	136	10	1-4
300.12	0.0	126	1	1-4
300.13	0.0	9	0	1-4
300.14	0.0	126	1	1-4
300.16	0.6	166	22	1-4
300.19	0.0	12	0	1-4
300.21	0.0	121	4	1-4
300.22	0.0	13	2	1-4
300.29	0.0	35	1	1-4
300.3	0.4	232	4	1-4
300.5	0.0	101	12	1-4
300.6	0.0	7	0	1-4
300.7	0.0	57	2	1-4
300.81	0.0	275	5	1-4
301.0	0.0	105	9	1-4
301.10	0.0	29	4	1-4
301.11	0.0	4	1	1-4
301.12	0.0	17	0	1-4
301.13	0.0	42	1	1-4
301.20	0.0	35	2	1-4
301.22	0.0	37	1	1-4
301.3	0.6	166	15	1-4
301.4	0.0	44	4	1-4
301.50	0.0	37	2	1-4
301.51	0.0	31	0	1-4
301.59	0.0	7	1	1-4
301.7	0.0	41	3	1-4
301.81	0.0	5	0	1-4
301.82	0.0	3	0	1-4
301.83	0.3	359	10	1-4
301.84	0.0	44	0	1-4
301.89	0.0	134	6	1-4
301.9	0.7	273	21	1-4
302.1	0.0	2	0	1-4
302.2	0.0	14	0	1-4
302.4	0.0	7	0	1-4
302.50	0.0	1	0	1-4
302.70	0.0	10	0	1-4
302.71	0.0	1	0	1-4
302.72	0.0	649	13	1-4
302.74	0.0	2	0	1-4
302.79	0.0	3	0	1-4
302.83	0.0	1	0	1-4
302.85	0.0	3	0	1-4
302.89	0.0	3	1	1-4
302.9	0.0	6	0	1-4
303.02	0.3	794	41	1-4
303.03	0.0	28	2	1-4
303.92	0.3	743	23	1-4
303.93	0.4	255	12	1-4
304.00	0.5	439	18	1-4
304.02	0.0	15	1	1-4
304.03	0.0	13	1	1-4
304.10	0.2	480	28	1-4
304.12	0.0	17	3	1-4
304.13	0.0	7	0	1-4
304.20	0.2	874	13	1-4
304.22	0.0	41	0	1-4
304.23	0.0	8	0	1-4
304.30	0.0	81	0	1-4
304.31	0.6	159	2	1-4
304.32	0.0	4	0	1-4
304.33	0.0	3	0	1-4
304.40	0.0	30	1	1-4
304.41	0.0	83	1	1-4
304.42	0.0	1	0	1-4
304.51	0.0	5	1	1-4
304.53	0.0	1	0	1-4
304.61	0.0	199	15	1-4
304.62	0.0	3	0	1-4
304.63	0.0	2	0	1-4
304.70	0.0	138	3	1-4
304.71	0.6	491	19	1-4
304.72	0.0	8	1	1-4
304.73	0.0	3	0	1-4
304.80	0.0	232	3	1-4
304.81	0.0	427	17	1-4
304.82	0.0	7	0	1-4
304.83	0.0	6	1	1-4
304.90	0.3	354	13	1-4
304.91	0.0	208	8	1-4
304.92	0.0	2	0	1-4
304.93	0.0	2	0	1-4
305.01	0.9	647	57	1-4
305.02	0.4	230	11	1-4
305.03	0.0	11	0	1-4
305.10	0.0	12	1	1-4
305.11	0.0	11	1	1-4
305.20	0.0	26	1	1-4
305.21	0.0	31	0	1-4
305.22	0.0	2	0	1-4
305.30	0.0	3	0	1-4
305.31	0.0	2	0	1-4
305.32	0.0	1	0	1-4
305.40	0.0	113	5	1-4
305.41	0.0	83	4	1-4
305.50	0.0	47	1	1-4
305.51	0.0	49	3	1-4
305.52	0.0	4	0	1-4
305.60	0.5	196	4	1-4
305.61	0.0	166	6	1-4
305.62	0.0	30	1	1-4
305.63	0.0	2	0	1-4
305.70	0.0	11	1	1-4
305.71	0.0	11	0	1-4
305.72	0.0	1	0	1-4
305.80	0.0	26	0	1-4
305.81	0.0	13	0	1-4
305.82	0.0	2	1	1-4
305.90	0.0	462	17	1-4
305.92	0.0	19	0	1-4
305.93	0.0	5	0	1-4
306.3	0.0	11	1	1-4
306.4	0.8	616	69	1-4
306.50	0.0	3	0	1-4
306.52	0.0	1	0	1-4
306.53	0.0	31	1	1-4
306.59	0.0	7	0	1-4
306.6	0.0	11	0	1-4
306.7	0.0	9	0	1-4
306.9	0.9	115	3	1-4
307.0	0.0	7	3	1-4
307.20	0.0	9	1	1-4
307.21	0.0	1	0	1-4
307.22	0.0	1	0	1-4
307.23	0.0	23	0	1-4
307.40	0.0	2	0	1-4
307.42	0.0	20	4	1-4
307.43	0.0	10	1	1-4
307.44	0.0	3	0	1-4
307.46	0.0	9	1	1-4
307.47	0.0	5	0	1-4
307.48	0.0	2	0	1-4
307.49	0.0	7	1	1-4
307.50	0.0	42	7	1-4
307.51	0.0	116	2	1-4
307.52	0.0	7	0	1-4
307.54	0.0	120	9	1-4
307.6	0.0	6	1	1-4
307.7	0.0	2	0	1-4
307.80	0.0	50	2	1-4
307.89	0.4	244	13	1-4
308.0	0.6	509	20	1-4
308.3	0.3	341	9	1-4
309.21	0.0	2	1	1-4
309.22	0.0	3	0	1-4
309.24	0.0	194	12	1-4
309.29	0.0	6	0	1-4
309.3	0.0	159	10	1-4
309.4	0.0	561	30	1-4
309.81	0.8	119	1	1-4
309.82	0.0	27	3	1-4
309.83	0.0	5	0	1-4
309.9	0.5	372	24	1-4
312.02	0.0	2	1	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
312.03	0.0	24	4	1-4
312.10	0.0	3	0	1-4
312.11	0.0	1	0	1-4
312.20	0.0	2	0	1-4
312.23	0.0	11	0	1-4
312.30	0.0	59	0	1-4
312.33	0.0	2	0	1-4
312.34	0.0	229	5	1-4
312.35	0.0	9	2	1-4
312.39	0.0	10	1	1-4
312.4	0.0	13	1	1-4
313.0	0.0	2	1	1-4
313.3	0.0	1	0	1-4
313.81	0.0	5	1	1-4
313.82	0.0	1	0	1-4
313.9	0.0	1	0	1-4
314.00	0.0	5	0	1-4
314.01	0.0	6	0	1-4
314.2	0.0	1	0	1-4
314.8	0.0	4	1	1-4
314.9	0.0	35	3	1-4
315.00	0.0	1	0	1-4
315.09	0.0	1	0	1-4
315.1	0.0	1	0	1-4
315.2	0.0	2	0	1-4
315.31	0.0	1	0	1-4
315.4	0.0	1	0	1-4
315.5	0.0	1	0	1-4
315.8	0.0	3	0	1-4
315.9	0.0	6	0	1-4
316	0.6	175	13	1-4
317	0.0	94	0	1-4
318.1	0.0	58	4	1-4
319	0.6	176	11	1-4
322.1	0.0	7	3	1-4
323.7	0.0	1	0	1-4
326	0.0	10	2	1-4
330.1	0.0	7	2	1-4
330.9	0.0	2	1	1-4
333.1	0.6	537	48	1-4
333.3	0.0	8	2	1-4
333.81	0.0	130	4	1-4
334.1	0.0	38	4	1-4
334.4	0.0	2	0	1-4
335.8	0.0	10	4	1-4
335.9	0.0	13	4	1-4
336.0	0.7	546	40	1-4
341.0	0.0	22	6	1-4
341.1	0.0	52	3	1-4
342.1	0.0	162	8	1-4
343.2	0.0	48	1	1-4
343.3	0.0	5	0	1-4
343.4	0.0	2	0	1-4
343.8	0.0	40	1	1-4
344.2	0.0	21	5	1-4
345.0 (88)	0.7	276	24	1-4
345.41(90)	0.4	266	10	1-4
345.6 (88)	0.0	2	0	1-4
345.61(90)	0.0	1	0	1-4
345.81(90)	0.0	37	3	1-4
346.0	0.0	576	12	1-4
346.1	0.0	579	12	1-4
346.2	0.3	882	25	1-4
349.0	0.3	585	12	1-4
349.2	0.0	473	12	1-4
349.81	0.0	376	19	1-4
350.8	0.0	42	4	1-4
351.1	0.0	4	0	1-4
351.9	0.0	64	8	1-4
352.0	0.0	5	1	1-4
352.1	0.8	130	13	1-4
352.4	0.0	15	0	1-4
352.5	0.0	23	5	1-4
353.3	0.0	24	4	1-4
353.4	0.0	110	9	1-4
353.5	0.0	18	1	1-4
353.9	0.0	35	3	1-4
354.3	0.3	396	31	1-4
354.4	0.4	246	13	1-4
354.5	0.4	225	29	1-4
354.9	0.6	358	28	1-4
355.0	0.3	384	28	1-4
355.1	0.5	208	9	1-4
355.2	0.4	248	20	1-4
355.3	0.6	462	43	1-4
355.5	0.0	377	4	1-4
355.6	0.0	514	6	1-4
355.7	0.3	300	18	1-4
356.0	0.0	14	0	1-4
356.3	0.0	1	0	1-4
357.2	0.0	7	0	1-4
357.3	0.0	1	1	1-4
357.5	0.9	537	75	1-4
358.2	0.0	12	0	1-4
359.0	0.0	9	3	1-4
359.3	0.0	53	3	1-4
359.6	0.0	1	0	1-4
360.03	0.0	84	6	1-4
360.04	0.0	7	0	1-4
360.11	0.0	55	2	1-4
360.13	0.0	3	0	1-4
360.19	0.7	401	30	1-4
360.20	0.0	1	0	1-4
360.21	0.0	13	0	1-4
360.29	0.0	4	0	1-4
360.30	0.0	24	1	1-4
360.31	0.0	1	0	1-4
360.32	0.0	13	1	1-4
360.33	0.0	20	0	1-4
360.34	0.0	121	3	1-4
360.40	0.0	12	1	1-4
360.41	0.0	351	11	1-4
360.44	0.0	1	0	1-4
360.53	0.0	1	0	1-4
360.60	0.0	3	0	1-4
360.61	0.0	11	0	1-4
360.63	0.0	8	0	1-4
360.64	0.0	8	0	1-4
360.65	0.0	2	0	1-4
360.69	0.0	4	0	1-4
360.81	0.0	7	1	1-4
360.89	0.0	46	1	1-4
360.9	0.0	4	1	1-4
361.03	0.4	841	21	1-4
361.04	0.0	50	2	1-4
361.06	0.7	151	4	1-4
361.07	0.0	220	5	1-4
361.10	0.0	40	2	1-4
361.11	0.0	1	0	1-4
361.12	0.0	10	0	1-4
361.19	0.0	2	0	1-4
361.2	0.0	421	8	1-4
361.30	0.0	95	4	1-4
361.31	0.0	11	0	1-4
361.32	0.0	58	2	1-4
361.33	0.0	20	0	1-4
362.02	0.0	2	0	1-4
362.10	0.0	50	3	1-4
362.11	0.0	46	5	1-4
362.12	0.0	7	0	1-4
362.14	0.0	2	0	1-4
362.15	0.0	1	0	1-4
362.16	0.0	43	1	1-4
362.17	0.0	11	0	1-4
362.18	0.0	23	0	1-4
362.21	0.0	32	0	1-4
362.29	0.0	327	7	1-4
362.30	0.4	730	41	1-4
362.31	0.3	871	56	1-4
362.32	0.0	129	3	1-4
362.33	0.0	63	4	1-4
362.35	0.9	220	13	1-4
362.36	0.0	63	2	1-4
362.37	0.0	2	0	1-4
362.40	0.0	3	0	1-4
362.41	0.0	4	0	1-4
362.42	0.0	15	1	1-4
362.43	0.0	6	0	1-4
362.50	0.6	163	6	1-4
362.51	0.0	11	0	1-4
362.52	0.0	27	0	1-4
362.53	0.0	61	0	1-4
362.54	0.0	588	2	1-4
362.55	0.0	13	1	1-4
362.57	0.0	3	0	1-4
362.60	0.0	14	3	1-4
362.62	0.0	1	0	1-4
362.63	0.0	18	1	1-4
362.64	0.0	3	0	1-4
362.66	0.0	5	1	1-4
362.73	0.0	5	0	1-4
362.74	0.0	3	0	1-4
362.76	0.0	1	0	1-4
362.77	0.0	1	0	1-4
362.81	0.6	160	11	1-4
362.82	0.0	9	0	1-4
362.83	0.0	492	14	1-4
362.84	0.0	83	7	1-4
362.89	0.0	335	5	1-4
362.9	0.0	28	1	1-4
363.00	0.0	3	0	1-4
363.10	0.0	3	0	1-4
363.11	0.0	1	0	1-4
363.13	0.0	3	1	1-4
363.15	0.0	1	0	1-4
363.21	0.0	4	0	1-4
363.22	0.0	1	0	1-4
363.30	0.0	91	3	1-4
363.31	0.0	5	0	1-4
363.32	0.0	33	0	1-4
363.33	0.0	4	0	1-4
363.34	0.0	2	0	1-4
363.35	0.0	1	0	1-4
363.40	0.0	3	0	1-4
363.41	0.0	1	0	1-4
363.53	0.0	1	0	1-4
363.54	0.0	1	0	1-4
363.56	0.0	2	0	1-4
363.62	0.7	149	12	1-4
363.63	0.0	1	0	1-4
363.70	0.0	140	4	1-4
363.71	0.0	27	1	1-4
363.72	0.0	142	8	1-4
363.8	0.0	44	0	1-4
363.9	0.0	3	1	1-4
364.00	0.0	64	3	1-4
364.01	0.0	6	0	1-4
364.02	0.0	12	1	1-4
364.03	0.0	6	0	1-4
364.04	0.0	10	2	1-4
364.05	0.0	40	3	1-4
364.10	0.0	119	6	1-4
364.21	0.0	6	0	1-4
364.22	0.0	12	0	1-4
364.23	0.0	105	5	1-4
364.24	0.0	4	0	1-4
364.3	0.0	233	9	1-4
364.41	0.4	460	23	1-4
364.42	0.4	225	11	1-4
364.51	0.0	8	0	1-4
364.53	0.0	1	0	1-4
364.60	0.0	1	1	1-4
364.61	0.0	26	0	1-4
364.62	0.0	2	0	1-4
364.70	0.0	11	0	1-4
364.71	0.0	4	0	1-4
364.72	0.0	8	1	1-4
364.73	0.0	10	0	1-4
364.74	0.0	255	14	1-4
364.75	0.0	7	0	1-4
364.76	0.0	8	0	1-4
364.77	0.0	8	0	1-4
364.8	0.0	103	4	1-4
364.9	0.0	2	0	1-4
365.01	0.0	116	3	1-4
365.02	0.0	10	0	1-4
365.03	0.0	3	0	1-4
365.04	0.0	39	0	1-4
365.12	0.5	186	4	1-4
365.13	0.0	43	0	1-4
365.14	0.0	15	0	1-4
365.15	0.9	107	7	1-4
365.21	0.0	45	2	1-4
365.23	0.0	633	24	1-4
365.24	0.0	13	0	1-4
365.31	0.0	1	0	1-4
365.32	0.0	1	0	1-4
365.51	0.0	256	14	1-4
365.52	0.0	222	5	1-4
365.59	0.0	160	6	1-4
365.60	0.1	788	40	1-4
365.61	0.0	68	1	1-4
365.62	0.0	84	2	1-4
365.63	0.4	803	56	1-4
365.64	0.0	8	1	1-4
365.82	0.0	103	9	1-4
366.00	0.0	103	7	1-4
366.01	0.0	14	2	1-4
366.02	0.0	105	4	1-4
366.03	0.0	9	1	1-4
366.04	0.0	106	8	1-4
366.09	0.0	33	4	1-4
366.11	0.0	60	2	1-4
366.12	0.0	541	35	1-4
366.13	0.0	81	5	1-4
366.15	0.6	319	20	1-4
366.18	0.4	562	34	1-4
366.20	0.0	113	3	1-4
366.21	0.0	1	0	1-4
366.22	0.0	7	0	1-4
366.23	0.0	4	1	1-4
366.30	0.0	142	5	1-4
366.31	0.0	173	4	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	OTHER			RISK STRATA
	MORTALITY 16 DAYS	CASES	DEATHS	
366.32	0.0	4	1	1-4
366.33	0.0	3	0	1-4
366.34	0.0	9	1	1-4
366.41	0.0	3	0	1-4
366.45	0.0	36	2	1-4
366.46	0.0	3	0	1-4
366.51	0.0	6	0	1-4
366.52	0.0	4	0	1-4
366.53	0.0	71	1	1-4
367.0	0.0	1	0	1-4
367.1	0.0	6	0	1-4
367.20	0.0	19	1	1-4
367.22	0.0	3	0	1-4
367.31	0.0	9	0	1-4
367.32	0.0	2	0	1-4
367.4	0.0	2	0	1-4
367.51	0.0	2	1	1-4
367.52	0.0	3	0	1-4
367.53	0.0	1	0	1-4
367.9	0.0	1	0	1-4
368.00	0.0	28	2	1-4
368.02	0.0	1	0	1-4
368.03	0.0	2	0	1-4
368.10	0.0	7	0	1-4
368.11	0.0	52	7	1-4
368.12	0.4	250	13	1-4
368.13	0.0	2	0	1-4
368.14	0.0	2	1	1-4
368.15	0.0	9	0	1-4
368.2	0.2	457	30	1-4
368.30	0.0	18	1	1-4
368.41	0.0	4	0	1-4
368.42	0.0	1	0	1-4
368.44	0.0	26	3	1-4
368.45	0.0	3	0	1-4
368.46	0.8	127	7	1-4
368.47	0.0	6	0	1-4
368.55	0.0	1	0	1-4
368.59	0.0	1	0	1-4
368.8	0.5	191	12	1-4
368.9	0.0	56	2	1-4
369.01	0.0	4	1	1-4
369.02	0.0	1	1	1-4
369.03	0.0	1	0	1-4
369.04	0.0	2	0	1-4
369.06	0.0	1	1	1-4
369.10	0.0	7	0	1-4
369.11	0.0	4	0	1-4
369.13	0.0	1	0	1-4
369.15	0.0	4	0	1-4
369.20	0.0	1	0	1-4
369.21	0.0	2	0	1-4
369.22	0.0	2	0	1-4
369.24	0.0	1	1	1-4
369.4	0.0	15	0	1-4
369.60	0.7	136	12	1-4
369.61	0.0	34	1	1-4
369.62	0.0	5	0	1-4
369.63	0.0	4	0	1-4
369.64	0.0	3	0	1-4
369.65	0.0	2	0	1-4
369.66	0.0	1	0	1-4
369.67	0.0	5	1	1-4
369.68	0.0	1	0	1-4
369.70	0.0	3	0	1-4
369.71	0.0	6	0	1-4
369.73	0.0	1	0	1-4
369.74	0.0	6	1	1-4
369.8	0.0	37	1	1-4
369.9	0.0	38	7	1-4
370.01	0.0	77	5	1-4
370.02	0.0	20	1	1-4
370.03	0.3	297	23	1-4
370.04	0.8	387	35	1-4
370.05	0.0	18	0	1-4
370.07	0.0	12	0	1-4
370.20	0.0	3	0	1-4
370.21	0.0	1	0	1-4
370.22	0.0	3	0	1-4
370.23	0.0	4	0	1-4
370.24	0.0	3	1	1-4
370.31	0.0	2	0	1-4
370.33	0.0	5	1	1-4
370.35	0.0	14	2	1-4
370.40	0.0	17	1	1-4
370.49	0.0	8	1	1-4
370.50	0.3	323	11	1-4
370.52	0.0	8	0	1-4
370.54	0.0	5	0	1-4
370.55	0.0	55	8	1-4
370.59	0.0	4	0	1-4
370.60	0.0	20	0	1-4
370.61	0.0	1	0	1-4
370.62	0.0	5	0	1-4
370.63	0.0	1	0	1-4
370.64	0.0	1	0	1-4
370.8	0.0	222	9	1-4
370.9	0.0	47	3	1-4
371.01	0.0	5	0	1-4
371.02	0.0	14	0	1-4
371.03	0.6	180	4	1-4
371.04	0.0	9	1	1-4
371.10	0.0	2	0	1-4
371.12	0.0	4	0	1-4
371.13	0.0	1	1	1-4
371.15	0.0	1	0	1-4
371.21	0.0	27	1	1-4
371.22	0.0	281	9	1-4
371.24	0.0	24	3	1-4
371.30	0.0	7	0	1-4
371.31	0.0	2	0	1-4
371.32	0.0	6	0	1-4
371.33	0.0	14	1	1-4
371.40	0.5	550	21	1-4
371.41	0.0	19	1	1-4
371.42	0.0	16	0	1-4
371.43	0.0	104	5	1-4
371.44	0.0	3	0	1-4
371.45	0.0	16	0	1-4
371.46	0.0	25	1	1-4
371.48	0.0	19	1	1-4
371.49	0.0	38	2	1-4
371.50	0.0	437	16	1-4
371.51	0.0	8	0	1-4
371.52	0.0	19	1	1-4
371.53	0.0	42	1	1-4
371.54	0.0	55	2	1-4
371.55	0.0	11	1	1-4
371.56	0.0	15	0	1-4
371.58	0.0	9	0	1-4
371.60	0.0	314	6	1-4
371.61	0.0	6	0	1-4
371.62	0.0	24	0	1-4
371.70	0.0	17	0	1-4
371.71	0.0	4	1	1-4
371.73	0.0	4	1	1-4
371.81	0.0	7	1	1-4
371.89	0.0	119	4	1-4
371.9	0.0	16	0	1-4
372.01	0.0	2	0	1-4
372.02	0.0	1	0	1-4
372.03	0.0	28	7	1-4
372.04	0.0	3	1	1-4
372.05	0.0	7	1	1-4
372.10	0.0	9	0	1-4
372.14	0.0	4	0	1-4
372.20	0.0	20	3	1-4
372.22	0.0	2	0	1-4
372.40	0.0	47	0	1-4
372.41	0.0	1	0	1-4
372.42	0.0	1	0	1-4
372.43	0.0	2	0	1-4
372.44	0.0	2	0	1-4
372.45	0.0	13	0	1-4
372.51	0.0	2	0	1-4
372.55	0.0	6	0	1-4
372.61	0.0	1	0	1-4
372.63	0.0	18	1	1-4
372.64	0.0	59	2	1-4
372.71	0.0	1	0	1-4
372.72	0.0	47	6	1-4
372.73	0.0	7	0	1-4
372.74	0.0	1	0	1-4
372.75	0.0	12	0	1-4
373.0	0.0	1	0	1-4
373.01	0.0	8	0	1-4
373.11	0.0	6	1	1-4
373.12	0.0	2	0	1-4
373.13	0.6	169	22	1-4
373.2	0.0	24	1	1-4
373.31	0.0	1	0	1-4
373.32	0.0	7	0	1-4
373.34	0.0	1	0	1-4
373.9	0.0	7	0	1-4
374.00	0.5	183	17	1-4
374.01	0.0	38	3	1-4
374.02	0.0	2	0	1-4
374.03	0.0	28	2	1-4
374.04	0.0	45	0	1-4
374.05	0.0	11	0	1-4
374.10	0.8	252	18	1-4
374.11	0.0	65	5	1-4
374.12	0.0	19	2	1-4
374.14	0.0	114	5	1-4
374.20	0.0	16	1	1-4
374.21	0.0	6	0	1-4
374.23	0.0	4	1	1-4
374.30	0.0	645	15	1-4
374.31	0.0	19	1	1-4
374.32	0.0	13	0	1-4
374.33	0.0	10	0	1-4
374.34	0.3	370	4	1-4
374.41	0.0	58	1	1-4
374.43	0.0	1	0	1-4
374.46	0.0	11	0	1-4
374.50	0.0	3	0	1-4
374.52	0.0	6	0	1-4
374.54	0.0	1	0	1-4
374.56	0.0	2	0	1-4
374.81	0.0	5	2	1-4
374.82	0.0	3	0	1-4
374.84	0.0	14	0	1-4
374.85	0.0	1	0	1-4
374.89	0.0	135	8	1-4
374.9	0.0	3	0	1-4
375.00	0.0	6	0	1-4
375.01	0.0	12	0	1-4
375.02	0.0	8	0	1-4
375.11	0.0	1	0	1-4
375.12	0.0	10	0	1-4
375.15	0.0	2	1	1-4
375.20	0.0	36	3	1-4
375.21	0.0	6	0	1-4
375.22	0.0	23	0	1-4
375.30	0.0	570	26	1-4
375.31	0.0	7	0	1-4
375.32	0.7	405	25	1-4
375.33	0.0	2	0	1-4
375.41	0.0	1	0	1-4
375.42	0.1	864	33	1-4
375.43	0.0	27	1	1-4
375.51	0.0	2	0	1-4
375.52	0.0	18	0	1-4
375.53	0.0	74	0	1-4
375.54	0.0	51	1	1-4
375.55	0.0	4	0	1-4
375.57	0.0	9	1	1-4
375.61	0.0	1	0	1-4
375.81	0.0	2	0	1-4
375.89	0.0	8	0	1-4
375.9	0.0	1	0	1-4
376.02	0.0	1	0	1-4
376.03	0.0	5	2	1-4
376.10	0.0	15	1	1-4
376.11	0.8	129	7	1-4
376.12	0.0	12	0	1-4
376.33	0.0	21	2	1-4
376.35	0.0	2	0	1-4
376.40	0.0	10	0	1-4
376.41	0.0	2	0	1-4
376.44	0.0	4	0	1-4
376.45	0.0	1	0	1-4
376.47	0.0	46	1	1-4
376.51	0.0	2	0	1-4
376.52	0.0	27	0	1-4
376.6	0.0	2	0	1-4
376.82	0.0	4	0	1-4
376.89	0.0	103	8	1-4
377.00	0.0	64	6	1-4
377.01	0.0	13	4	1-4
377.02	0.0	3	0	1-4
377.03	0.0	2	0	1-4
377.04	0.0	1	0	1-4
377.10	0.0	25	3	1-4
377.11	0.0	2	0	1-4
377.14	0.0	5	0	1-4
377.15	0.0	1	0	1-4
377.23	0.0	1	0	1-4
377.24	0.0	2	0	1-4
377.30	0.0	198	8	1-4
377.31	0.0	27	1	1-4
377.32	0.0	27	0	1-4
377.33	0.0	1	0	1-4
377.34	0.0	8	0	1-4
377.39	0.7	148	7	1-4
377.41	0.0	381	20	1-4
377.42	0.0	2	0	1-4
377.49	0.0	76	3	1-4
377.52	0.0	2	0	1-4
377.54	0.0	5	0	1-4
377.61	0.0	1	0	1-4
377.62	0.0	2	0	1-4
377.75	0.0	33	8	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

		OTHER		
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
377.9	0.0	2	0	1-4
378.00	0.0	80	0	1-4
378.01	0.0	5	1	1-4
378.03	0.0	1	0	1-4
378.05	0.0	2	0	1-4
378.07	0.0	1	0	1-4
378.10	0.0	116	0	1-4
378.11	0.0	9	0	1-4
378.15	0.0	10	0	1-4
378.17	0.0	2	0	1-4
378.18	0.0	3	0	1-4
378.20	0.0	5	0	1-4
378.22	0.0	1	0	1-4
378.23	0.0	5	0	1-4
378.24	0.0	2	0	1-4
378.30	0.0	5	0	1-4
378.31	0.0	42	2	1-4
378.32	0.0	27	1	1-4
378.33	0.0	1	0	1-4
378.35	0.0	2	0	1-4
378.40	0.0	2	0	1-4
378.41	0.0	3	0	1-4
378.42	0.0	3	1	1-4
378.50	0.0	6	0	1-4
378.51	0.4	821	62	1-4
378.52	0.4	235	22	1-4
378.54	0.7	569	45	1-4
378.55	0.9	114	9	1-4
378.56	0.0	8	3	1-4
378.60	0.0	2	0	1-4
378.61	0.0	2	0	1-4
378.62	0.0	14	0	1-4
378.63	0.0	1	0	1-4
378.71	0.0	1	0	1-4
378.72	0.0	19	5	1-4
378.73	0.0	16	2	1-4
378.81	0.0	14	0	1-4
378.83	0.0	3	1	1-4
378.85	0.0	2	0	1-4
378.86	0.0	59	5	1-4
378.87	0.0	25	2	1-4
379.02	0.0	2	1	1-4
379.03	0.0	9	1	1-4
379.04	0.0	12	1	1-4
379.05	0.0	18	1	1-4
379.06	0.0	1	0	1-4
379.07	0.0	4	1	1-4
379.09	0.0	28	2	1-4
379.11	0.0	8	1	1-4
379.16	0.0	6	0	1-4
379.19	0.0	15	1	1-4
379.21	0.0	78	3	1-4
379.22	0.0	142	5	1-4
379.24	0.0	315	16	1-4
379.25	0.0	381	8	1-4
379.26	0.0	67	1	1-4
379.29	0.3	346	12	1-4
379.32	0.0	182	5	1-4
379.33	0.0	61	1	1-4
379.34	0.0	117	5	1-4
379.39	0.0	29	0	1-4
379.41	0.0	14	0	1-4
379.42	0.0	4	0	1-4
379.43	0.0	15	0	1-4
379.46	0.0	3	0	1-4
379.49	0.0	3	0	1-4
379.50	0.0	37	3	1-4
379.51	0.0	1	0	1-4
379.54	0.0	16	1	1-4
379.56	0.0	13	3	1-4
379.8	0.0	23	1	1-4
379.90	0.0	11	0	1-4
379.91	0.4	503	32	1-4
379.92	0.0	35	3	1-4
379.93	0.0	4	0	1-4
379.99	0.0	18	3	1-4
380.00	0.0	90	9	1-4
380.01	0.0	76	2	1-4
380.02	0.0	16	4	1-4
380.11	0.0	41	5	1-4
380.12	0.0	1	0	1-4
380.14	0.8	665	75	1-4
380.16	0.0	19	0	1-4
380.21	0.0	67	1	1-4
380.22	0.0	69	7	1-4
380.23	0.0	68	5	1-4
380.30	0.0	4	1	1-4
380.31	0.0	48	8	1-4
380.32	0.0	26	0	1-4
380.4	0.0	24	2	1-4
380.50	0.0	95	3	1-4
380.51	0.0	7	0	1-4
380.52	0.0	25	0	1-4
380.53	0.0	24	1	1-4
380.81	0.0	27	1	1-4
380.9	0.0	6	0	1-4
381.01	0.0	128	7	1-4
381.02	0.0	5	2	1-4
381.03	0.0	7	2	1-4
381.04	0.0	5	0	1-4
381.10	0.0	270	7	1-4
381.19	0.0	10	1	1-4
381.20	0.0	26	0	1-4
381.3	0.5	222	5	1-4
381.4	0.9	115	6	1-4
381.50	0.0	2	0	1-4
381.51	0.0	2	1	1-4
381.52	0.0	1	0	1-4
381.60	0.0	7	0	1-4
381.62	0.0	1	0	1-4
381.81	0.0	28	0	1-4
381.89	0.0	2	0	1-4
381.9	0.0	2	0	1-4
382.00	0.0	186	14	1-4
382.1	0.6	162	3	1-4
382.3	0.0	578	11	1-4
382.4	0.0	107	12	1-4
383.00	0.5	372	26	1-4
383.01	0.0	21	1	1-4
383.20	0.0	10	2	1-4
383.21	0.0	6	0	1-4
383.22	0.0	7	1	1-4
383.30	0.0	12	0	1-4
383.31	0.0	3	0	1-4
383.32	0.0	123	0	1-4
383.33	0.0	18	0	1-4
383.81	0.0	8	0	1-4
383.89	0.0	10	0	1-4
384.01	0.0	14	1	1-4
384.21	0.0	251	4	1-4
384.22	0.0	40	1	1-4
384.23	0.0	53	0	1-4
384.24	0.0	12	0	1-4
384.25	0.0	72	0	1-4
384.81	0.0	6	0	1-4
384.82	0.0	10	0	1-4
385.00	0.0	25	0	1-4
385.01	0.0	5	0	1-4
385.02	0.0	14	0	1-4
385.03	0.0	14	0	1-4
385.09	0.0	3	1	1-4
385.10	0.0	89	1	1-4
385.11	0.0	5	0	1-4
385.12	0.0	4	0	1-4
385.13	0.0	2	0	1-4
385.19	0.0	10	0	1-4
385.21	0.0	6	0	1-4
385.22	0.0	41	0	1-4
385.23	0.0	129	1	1-4
385.24	0.0	35	0	1-4
385.31	0.3	315	6	1-4
385.32	0.6	362	7	1-4
385.33	0.0	433	16	1-4
385.35	0.0	19	0	1-4
385.82	0.0	49	1	1-4
385.83	0.0	1	0	1-4
385.89	0.0	79	2	1-4
385.9	0.0	44	5	1-4
386.01	0.0	58	3	1-4
386.02	0.0	43	1	1-4
386.03	0.0	211	2	1-4
386.04	0.0	5	0	1-4
386.19	0.3	372	21	1-4
386.2	0.5	426	15	1-4
386.31	0.0	120	3	1-4
386.32	0.0	47	2	1-4
386.33	0.0	41	1	1-4
386.40	0.0	62	0	1-4
386.41	0.0	83	1	1-4
386.42	0.0	133	1	1-4
386.43	0.0	7	0	1-4
386.48	0.0	25	0	1-4
386.51	0.0	3	0	1-4
386.52	0.0	4	0	1-4
386.53	0.0	32	2	1-4
386.54	0.0	3	0	1-4
386.55	0.0	11	0	1-4
386.56	0.0	2	0	1-4
386.58	0.5	219	7	1-4
386.8	0.0	182	6	1-4
386.9	0.2	478	15	1-4
387.0	0.3	359	4	1-4
387.1	0.0	146	3	1-4
387.2	0.0	57	0	1-4
387.8	0.0	690	4	1-4
388.00	0.0	31	2	1-4
388.01	0.0	6	0	1-4
388.02	0.0	5	0	1-4
388.11	0.0	2	0	1-4
388.12	0.0	1	0	1-4
388.2	0.0	166	5	1-4
388.30	0.0	112	6	1-4
388.31	0.0	18	0	1-4
388.40	0.0	3	0	1-4
388.42	0.0	1	0	1-4
388.5	0.5	216	10	1-4
388.60	0.0	9	0	1-4
388.61	0.0	41	3	1-4
388.70	0.0	30	2	1-4
388.71	0.0	13	1	1-4
388.9	0.0	104	2	1-4
389.00	0.0	198	6	1-4
389.02	0.0	29	0	1-4
389.03	0.0	129	0	1-4
389.04	0.0	33	0	1-4
389.08	0.0	26	0	1-4
389.10	0.0	288	6	1-4
389.11	0.0	53	0	1-4
389.12	0.0	21	0	1-4
389.14	0.0	4	1	1-4
389.18	0.9	116	3	1-4
389.2	0.0	118	1	1-4
389.7	0.0	2	0	1-4
389.8	0.0	41	2	1-4
391.2	0.0	8	0	1-4
392.9	0.0	18	3	1-4
395.9	0.0	9	0	1-4
397.1	0.0	4	0	1-4
398.0	0.0	2	0	1-4
398.99	0.0	5	2	1-4
403.00(90)	0.6	170	18	1-4
403.10(90)	0.0	44	5	1-4
404.00(90)	0.0	41	5	1-4
405.09	0.0	46	0	1-4
405.11	0.0	138	15	1-4
405.19	0.0	8	0	1-4
417.9	0.0	13	2	1-4
420.0	0.0	4	1	1-4
422.93	0.0	11	3	1-4
422.99	0.0	7	1	1-4
424.91	0.0	1	0	1-4
425.7	.	2	2	1-4
425.8	0.0	2	2	1-4
426.81	0.0	62	5	1-4
429.82	0.0	70	1	1-4
443.81	0.0	3	1	1-4
446.1	0.0	4	1	1-4
446.3	0.0	14	3	1-4
447.3	0.0	79	3	1-4
447.8	0.8	729	65	1-4
448.1	0.0	16	1	1-4
455.7	0.8	591	41	1-4
456.3	0.0	13	0	1-4
456.4	0.8	121	10	1-4
456.5	0.8	119	16	1-4
456.6	0.0	10	1	1-4
457.0	0.4	228	16	1-4
457.2	0.7	542	50	1-4
457.9	0.0	8	2	1-4
459.1	0.3	665	34	1-4
461.1	0.0	448	27	1-4
461.2	0.5	431	20	1-4
461.3	0.0	121	7	1-4
461.8	0.2	826	69	1-4
464.21	0.0	64	8	1-4
464.30	0.6	862	41	1-4
464.4	0.0	39	2	1-4
471.1	0.0	14	1	1-4
471.8	0.1	882	23	1-4
473.1	0.2	436	16	1-4
473.3	0.5	211	16	1-4
474.0	0.0	374	8	1-4
474.10	0.0	38	1	1-4
474.11	0.0	153	3	1-4
474.12	0.0	11	0	1-4
474.9	0.0	17	1	1-4
477.8	0.0	15	0	1-4
477.9	0.0	129	2	1-4
478.25	0.0	103	8	1-4
478.26	0.0	67	3	1-4
478.4	0.1	810	33	1-4
478.71	0.0	20	3	1-4
478.74	0.2	504	55	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

		OTHER		
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
478.8	0.0	18	1	1-4
484.1	0.0	3	1	1-4
484.6	0.0	1	0	1-4
484.8	0.0	1	0	1-4
486.0	0.0	1	0	1-4
495.3	0.0	4	0	1-4
495.4	0.0	1	0	1-4
495.5	0.0	2	0	1-4
495.6	0.0	2	0	1-4
495.7	0.0	2	0	1-4
506.2	0.0	6	0	1-4
506.9	0.0	22	1	1-4
508.9	0.0	26	3	1-4
516.2	0.0	2	1	1-4
517.1	0.0	1	0	1-4
517.8	0.0	2	0	1-4
520.0	0.0	15	2	1-4
520.1	0.0	9	1	1-4
520.2	0.0	7	0	1-4
520.3	0.0	2	2	1-4
520.5	0.0	4	0	1-4
520.6	0.3	287	12	1-4
520.7	0.0	6	0	1-4
521.1	0.0	6	0	1-4
521.2	0.0	8	1	1-4
521.3	0.0	9	0	1-4
521.4	0.0	4	0	1-4
521.5	0.0	4	0	1-4
521.6	0.0	4	0	1-4
521.8	0.0	16	0	1-4
521.9	0.0	4	0	1-4
522.0	0.0	16	2	1-4
522.2	0.0	7	0	1-4
522.3	0.0	1	0	1-4
522.4	0.3	611	58	1-4
522.6	0.0	12	1	1-4
522.7	0.0	86	9	1-4
523.2	0.0	8	1	1-4
523.3	0.7	445	52	1-4
523.4	0.8	486	35	1-4
523.5	0.6	182	13	1-4
523.6	0.0	76	1	1-4
523.8	0.8	488	44	1-4
523.9	0.0	218	19	1-4
524.0	0.0	375	11	1-4
524.1	0.0	101	0	1-4
524.2	0.0	33	0	1-4
524.3	0.0	20	0	1-4
524.4	0.0	10	0	1-4
524.5	0.0	24	0	1-4
524.8	0.0	200	8	1-4
524.9	0.0	63	1	1-4
525.2	0.0	544	3	1-4
525.3	0.0	40	4	1-4
525.8	0.0	85	6	1-4
526.0	0.0	258	4	1-4
526.1	0.0	23	1	1-4
526.2	0.5	206	12	1-4
526.3	0.0	37	1	1-4
526.4	0.9	773	90	1-4
526.5	0.0	17	1	1-4
526.81	0.0	224	9	1-4
526.89	0.2	449	27	1-4
527.1	0.5	186	6	1-4
527.5	0.9	784	23	1-4
527.6	0.0	484	10	1-4
527.8	0.3	350	17	1-4
527.9	0.0	64	8	1-4
528.6	0.0	197	5	1-4
528.7	0.0	88	9	1-4
528.8	0.0	21	2	1-4
529.1	0.0	14	0	1-4
529.2	0.0	2	0	1-4
529.3	0.0	2	0	1-4
529.4	0.0	1	0	1-4
529.6	0.0	10	0	1-4
529.8	0.8	253	28	1-4
529.9	0.0	12	0	1-4
533.71	0.4	255	26	1-4
534.11	0.0	11	1	1-4
534.21	0.0	7	3	1-4
534.70	0.0	53	3	1-4
534.91	0.9	108	10	1-4
536.0	0.0	25	4	1-4
537.5	0.0	5	2	1-4
537.6	0.0	7	2	1-4
537.81	0.5	414	23	1-4
542	0.5	444	20	1-4
543.0	0.0	32	1	1-4
543.9	0.5	377	18	1-4
551.03	0.0	2	0	1-4
552.03	0.0	26	3	1-4
553.01	0.0	465	8	1-4
553.02	0.0	129	4	1-4
553.03	0.0	30	1	1-4
564.2	0.7	719	82	1-4
564.5	0.0	112	18	1-4
567.0	0.0	1	1	1-4
573.1	0.0	1	1	1-4
573.2	0.0	1	0	1-4
575.6	0.4	493	19	1-4
576.0	0.8	393	22	1-4
579.1	0.0	92	15	1-4
579.4	0.0	19	7	1-4
580.81	0.0	1	0	1-4
581.0	0.0	33	7	1-4
581.1	0.6	475	64	1-4
581.81	0.0	6	4	1-4
582.0	0.0	30	5	1-4
583.0	0.0	41	6	1-4
583.4	0.8	131	33	1-4
583.6	0.0	6	2	1-4
588.9	0.8	118	21	1-4
589.0	0.0	13	1	1-4
589.1	0.0	4	1	1-4
589.9	0.0	25	1	1-4
590.01	0.0	47	8	1-4
590.81	0.0	1	1	1-4
593.1	0.0	16	4	1-4
593.5	0.0	87	14	1-4
593.6	0.0	4	0	1-4
593.7	0.5	188	14	1-4
594.8	0.0	39	2	1-4
595.3	0.6	662	48	1-4
595.81	0.4	745	49	1-4
596.9	0.4	228	20	1-4
597.80	0.8	734	82	1-4
597.81	0.0	98	4	1-4
597.89	0.3	293	35	1-4
598.00	0.9	438	45	1-4
598.1	0.0	240	14	1-4
599.2	0.3	335	13	1-4
599.4	0.9	116	19	1-4
599.5	0.5	592	36	1-4
601.2	0.7	305	24	1-4
601.3	0.5	210	20	1-4
601.8	0.5	580	32	1-4
602.0	0.4	461	28	1-4
602.2	0.0	15	2	1-4
602.8	0.3	287	27	1-4
602.9	0.0	20	1	1-4
603.0	0.0	42	1	1-4
603.8	0.2	667	27	1-4
606.0	0.0	13	1	1-4
606.1	0.0	3	0	1-4
606.8	0.0	5	0	1-4
606.9	0.0	4	0	1-4
607.0	0.0	9	1	1-4
607.1	0.4	532	58	1-4
607.3	0.4	230	14	1-4
607.81	0.0	123	4	1-4
607.89	0.6	825	33	1-4
607.9	0.0	30	2	1-4
608.2	0.8	131	6	1-4
608.3	0.0	168	16	1-4
608.84	0.0	31	0	1-4
608.89	0.8	738	56	1-4
608.9	0.7	152	13	1-4
610.0	0.6	163	11	1-4
610.2	0.0	282	7	1-4
610.3	0.0	639	12	1-4
610.4	0.6	158	3	1-4
610.8	0.0	111	4	1-4
611.2	0.0	2	0	1-4
611.3	0.9	235	10	1-4
611.4	0.0	42	1	1-4
611.71	0.0	118	3	1-4
611.79	0.0	38	3	1-4
611.8	0.2	823	26	1-4
614.1	0.0	584	10	1-4
614.7	0.0	4	0	1-4
614.9	0.5	576	28	1-4
615.1	0.0	96	6	1-4
616.0	0.4	824	27	1-4
616.2	0.7	144	8	1-4
616.3	0.0	181	6	1-4
616.50	0.0	81	10	1-4
616.8	0.8	121	11	1-4
616.9	0.0	6	1	1-4
617.1	0.0	429	3	1-4
617.2	0.0	22	0	1-4
617.3	0.0	297	1	1-4
617.4	0.0	12	0	1-4
617.5	0.0	27	1	1-4
617.6	0.0	2	0	1-4
617.8	0.0	23	1	1-4
617.9	0.0	58	2	1-4
618.9	0.0	86	1	1-4
619.2	0.0	27	5	1-4
620.0	0.3	358	5	1-4
620.1	0.7	444	5	1-4
620.3	0.0	35	1	1-4
620.4	0.0	3	0	1-4
620.5	0.7	415	7	1-4
620.6	0.0	12	0	1-4
620.7	0.0	2	0	1-4
620.8	0.9	757	19	1-4
621.1	0.0	7	0	1-4
621.2	0.9	344	8	1-4
621.4	0.0	233	10	1-4
621.5	0.0	27	0	1-4
621.6	0.0	40	4	1-4
621.7	0.0	3	0	1-4
621.9	0.0	18	0	1-4
622.0	0.0	22	2	1-4
622.3	0.0	2	0	1-4
622.4	0.0	116	4	1-4
622.5	0.0	3	0	1-4
622.6	0.0	16	1	1-4
622.7	0.2	532	18	1-4
622.8	0.6	172	14	1-4
623.0	0.0	157	1	1-4
623.1	0.0	20	0	1-4
623.2	0.6	160	3	1-4
623.4	0.0	28	1	1-4
623.5	0.0	24	4	1-4
623.6	0.0	9	0	1-4
623.7	0.0	31	3	1-4
624.0	0.0	231	8	1-4
624.1	0.0	5	1	1-4
624.2	0.0	2	0	1-4
624.3	0.0	39	1	1-4
624.4	0.0	19	1	1-4
624.5	0.0	15	2	1-4
624.6	0.0	10	0	1-4
624.8	0.0	209	12	1-4
624.9	0.0	6	0	1-4
625.0	0.0	25	0	1-4
625.1	0.0	3	0	1-4
625.2	0.0	18	0	1-4
625.3	0.0	195	0	1-4
625.4	0.0	12	0	1-4
625.5	0.0	32	0	1-4
625.8	0.7	281	22	1-4
625.9	0.5	752	35	1-4
626.0	0.0	7	0	1-4
626.1	0.0	2	0	1-4
626.3	0.0	1	0	1-4
626.4	0.0	10	0	1-4
626.5	0.0	15	0	1-4
626.6	0.6	157	5	1-4
626.7	0.0	5	0	1-4
626.9	0.0	141	11	1-4
627.0	0.0	143	3	1-4
627.2	0.0	29	1	1-4
627.3	0.0	225	35	1-4
627.4	0.0	14	0	1-4
627.8	0.0	33	0	1-4
628.0	0.0	25	0	1-4
628.2	0.0	24	1	1-4
628.3	0.0	10	3	1-4
628.8	0.0	8	0	1-4
628.9	0.0	2	0	1-4
629.0	0.0	1	1	1-4
629.1	0.0	5	0	1-4
630	0.0	5	0	1-4
631	0.0	8	0	1-4
632	0.0	101	0	1-4
633.0	0.0	6	0	1-4
633.1	0.0	280	1	1-4
633.2	0.0	3	0	1-4
633.8	0.0	22	0	1-4
633.9	0.0	18	2	1-4
634.00	0.0	2	1	1-4
634.01	0.0	22	0	1-4
634.02	0.0	8	0	1-4
634.10	0.0	1	0	1-4
634.11	0.0	39	0	1-4
634.12	0.0	4	0	1-4
634.31	0.0	3	0	1-4
634.32	0.0	1	0	1-4
634.42	0.0	1	0	1-4
634.51	0.0	1	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
634.70	0.0	2	0	1-4
634.71	0.0	8	0	1-4
634.72	0.0	4	1	1-4
634.81	0.0	2	0	1-4
634.90	0.0	13	0	1-4
634.91	0.4	280	1	1-4
634.92	0.0	45	0	1-4
635.00	0.0	1	0	1-4
635.01	0.0	5	0	1-4
635.02	0.0	2	0	1-4
635.10	0.0	1	0	1-4
635.11	0.0	7	0	1-4
635.12	0.0	3	0	1-4
635.22	0.0	1	0	1-4
635.32	0.0	4	1	1-4
635.40	0.0	1	0	1-4
635.42	0.0	1	0	1-4
635.70	0.0	3	0	1-4
635.71	0.0	6	0	1-4
635.72	0.0	14	0	1-4
635.81	0.0	1	0	1-4
635.90	0.0	16	0	1-4
635.91	0.0	20	0	1-4
635.92	0.0	107	2	1-4
636.01	0.0	1	0	1-4
637.01	0.0	1	0	1-4
637.11	0.0	4	0	1-4
637.61	0.0	1	0	1-4
637.71	0.0	3	0	1-4
637.81	0.0	1	0	1-4
637.90	0.0	1	0	1-4
637.91	0.0	56	0	1-4
637.92	0.0	10	0	1-4
638.0	0.0	2	0	1-4
638.9	0.0	1	0	1-4
639.0	0.0	20	0	1-4
639.1	0.0	5	0	1-4
639.2	0.0	2	0	1-4
639.8	0.0	3	0	1-4
639.9	0.0	1	0	1-4
640.00	0.0	4	0	1-4
640.01	0.0	1	0	1-4
640.03	0.0	53	0	1-4
640.81	0.0	1	0	1-4
640.83	0.0	4	0	1-4
640.90	0.0	2	0	1-4
640.93	0.0	2	0	1-4
641.01	0.0	6	0	1-4
641.11	0.0	33	0	1-4
641.13	0.0	22	0	1-4
641.21	0.0	99	0	1-4
641.23	0.0	9	0	1-4
641.31	0.0	1	0	1-4
641.33	0.0	1	0	1-4
641.81	0.0	5	0	1-4
641.83	0.0	5	0	1-4
641.91	0.0	4	0	1-4
641.93	0.0	17	0	1-4
642.01	0.0	68	0	1-4
642.02	0.0	2	0	1-4
642.03	0.0	20	0	1-4
642.11	0.0	10	0	1-4
642.13	0.0	9	0	1-4
642.21	0.0	10	0	1-4
642.23	0.0	6	0	1-4
642.31	0.0	59	0	1-4
642.32	0.0	2	0	1-4
642.33	0.0	17	0	1-4
642.34	0.0	1	0	1-4
642.41	0.0	136	0	1-4
642.43	0.0	34	0	1-4
642.53	0.0	7	0	1-4
642.54	0.0	1	0	1-4
642.61	0.0	11	0	1-4
642.63	0.0	1	0	1-4
642.64	0.0	1	0	1-4
642.72	0.0	1	1	1-4
642.73	0.0	6	0	1-4
642.74	0.0	2	0	1-4
642.92	0.0	2	0	1-4
642.93	0.0	13	0	1-4
643.03	0.0	72	0	1-4
643.11	0.0	2	0	1-4
643.13	0.0	58	0	1-4
643.21	0.0	3	0	1-4
643.23	0.0	12	0	1-4
643.83	0.0	10	0	1-4
643.91	0.0	2	0	1-4
643.93	0.0	2	0	1-4
644.00	0.0	1	0	1-4
644.03	0.3	301	2	1-4
644.10	0.0	4	0	1-4
644.13	0.0	119	0	1-4
644.20	0.0	5	0	1-4
644.21	0.0	533	3	1-4
645.01	0.0	191	0	1-4
645.03	0.0	7	0	1-4
646.11	0.0	5	0	1-4
646.13	0.0	1	0	1-4
646.21	0.0	11	1	1-4
646.23	0.0	11	0	1-4
646.24	0.0	1	0	1-4
646.31	0.0	2	0	1-4
646.33	0.0	1	0	1-4
646.41	0.0	1	0	1-4
646.53	0.0	2	0	1-4
646.61	0.0	44	0	1-4
646.62	0.0	4	0	1-4
646.63	0.0	158	0	1-4
646.64	0.0	13	0	1-4
646.71	0.0	4	0	1-4
646.73	0.0	4	0	1-4
646.81	0.0	34	0	1-4
646.83	0.0	41	0	1-4
646.91	0.0	1	0	1-4
646.93	0.0	5	0	1-4
647.01	0.0	13	0	1-4
647.03	0.0	2	0	1-4
647.11	0.0	3	0	1-4
647.21	0.0	6	0	1-4
647.61	0.0	23	0	1-4
647.62	0.0	1	0	1-4
647.63	0.0	13	0	1-4
647.64	0.0	1	0	1-4
647.81	0.0	11	0	1-4
647.82	0.0	1	1	1-4
647.83	0.0	15	0	1-4
647.84	0.0	1	0	1-4
647.91	0.0	1	0	1-4
648.01	0.0	80	0	1-4
648.02	0.0	1	0	1-4
648.03	0.0	159	2	1-4
648.11	0.0	7	0	1-4
648.13	0.0	3	0	1-4
648.21	0.0	79	1	1-4
648.22	0.0	11	0	1-4
648.24	0.0	4	0	1-4
648.31	0.0	40	0	1-4
648.32	0.0	1	0	1-4
648.33	0.0	7	0	1-4
648.41	0.0	306	0	1-4
648.42	0.0	6	0	1-4
648.43	0.0	52	0	1-4
648.44	0.0	10	0	1-4
648.51	0.0	9	0	1-4
648.52	0.0	1	0	1-4
648.53	0.0	2	0	1-4
648.61	0.0	31	0	1-4
648.63	0.0	7	0	1-4
648.64	0.0	1	0	1-4
648.71	0.0	15	0	1-4
648.72	0.0	1	0	1-4
648.73	0.0	4	0	1-4
648.81	0.0	129	2	1-4
648.83	0.0	81	2	1-4
648.91	0.0	257	1	1-4
648.92	0.0	3	0	1-4
648.93	0.0	154	1	1-4
648.94	0.0	3	1	1-4
651.01	0.0	41	0	1-4
651.03	0.0	3	0	1-4
651.31(90)	0.0	1	0	1-4
651.61(90)	0.0	1	0	1-4
652.01	0.0	1	0	1-4
652.11	0.0	18	1	1-4
652.13	0.0	2	0	1-4
652.21	0.0	244	1	1-4
652.23	0.0	3	0	1-4
652.30	0.0	1	0	1-4
652.31	0.0	35	0	1-4
652.33	0.0	1	0	1-4
652.41	0.0	8	0	1-4
652.51	0.0	15	0	1-4
652.61	0.0	9	0	1-4
652.71	0.0	1	0	1-4
652.81	0.0	23	0	1-4
652.83	0.0	1	0	1-4
652.91	0.0	1	0	1-4
653.01	0.0	11	0	1-4
653.11	0.0	15	0	1-4
653.31	0.0	3	0	1-4
653.40	0.0	1	0	1-4
653.41	0.0	246	0	1-4
653.51	0.0	15	0	1-4
653.71	0.0	3	0	1-4
653.73	0.0	1	0	1-4
653.81	0.0	1	0	1-4
654.01	0.0	2	0	1-4
654.11	0.0	8	0	1-4
654.13	0.0	7	0	1-4
654.23	0.0	4	0	1-4
654.31	0.0	1	0	1-4
654.33	0.0	1	0	1-4
654.41	0.0	5	0	1-4
654.42	0.0	2	0	1-4
654.43	0.0	7	0	1-4
654.51	0.0	5	0	1-4
654.53	0.0	18	0	1-4
654.61	0.0	7	0	1-4
654.71	0.0	1	0	1-4
654.81	0.0	1	0	1-4
654.83	0.0	1	0	1-4
654.91(90)	0.0	1	0	1-4
655.01	0.0	3	0	1-4
655.03	0.0	1	0	1-4
655.11	0.0	3	0	1-4
655.21	0.0	3	0	1-4
655.51	0.0	1	0	1-4
655.81	0.0	3	0	1-4
655.83	0.0	2	0	1-4
656.11	0.0	36	0	1-4
656.13	0.0	2	0	1-4
656.21	0.0	2	0	1-4
656.31	0.0	694	1	1-4
656.33	0.0	5	0	1-4
656.41	0.0	132	0	1-4
656.43	0.0	2	0	1-4
656.51	0.0	80	0	1-4
656.53	0.0	11	2	1-4
656.61	0.0	15	0	1-4
656.63	0.0	1	0	1-4
656.71	0.0	10	0	1-4
656.81	0.0	2	0	1-4
656.91	0.0	2	0	1-4
657.01	0.0	12	0	1-4
657.03	0.0	4	0	1-4
658.01	0.0	28	0	1-4
658.03	0.0	1	0	1-4
658.10	0.0	1	0	1-4
658.11	0.0	293	1	1-4
658.13	0.0	19	0	1-4
658.21	0.0	122	1	1-4
658.23	0.0	8	0	1-4
658.31	0.0	5	0	1-4
658.41	0.0	27	0	1-4
658.81	0.0	1	0	1-4
658.91	0.0	1	0	1-4
659.01	0.0	3	0	1-4
659.11	0.0	38	0	1-4
659.13	0.0	7	0	1-4
659.21	0.0	7	0	1-4
659.41	0.0	12	1	1-4
659.51	0.0	6	0	1-4
659.81	0.0	29	0	1-4
659.83	0.0	3	0	1-4
659.90	0.0	1	0	1-4
659.91	0.0	1	0	1-4
660.01	0.0	83	0	1-4
660.03	0.0	1	0	1-4
660.11	0.0	106	0	1-4
660.21	0.0	13	0	1-4
660.31	0.0	39	0	1-4
660.41	0.0	36	0	1-4
660.60	0.0	1	0	1-4
660.61	0.0	32	0	1-4
660.63	0.0	1	0	1-4
660.71	0.0	8	0	1-4
660.81	0.0	4	0	1-4
660.91	0.0	3	0	1-4
661.01	0.0	74	0	1-4
661.03	0.0	1	0	1-4
661.11	0.0	71	1	1-4
661.20	0.0	1	0	1-4
661.21	0.0	107	0	1-4
661.23	0.0	3	0	1-4
661.31	0.0	137	0	1-4
661.41	0.0	5	0	1-4
661.43	0.0	1	0	1-4
661.91	0.0	10	0	1-4
662.01	0.0	9	0	1-4
662.11	0.0	12	0	1-4
662.21	0.0	36	0	1-4
662.31	0.0	1	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
663.01	0.0	24	0	1-4	685.1	0.3	648	17	1-4	712.84	0.0	3	0	1-4
663.11	0.0	72	1	1-4	686.1	0.7	270	26	1-4	712.86	0.0	2	0	1-4
663.13	0.0	1	0	1-4	690	0.6	171	21	1-4	712.87	0.0	1	0	1-4
663.21	0.0	17	0	1-4	691.0	0.0	9	2	1-4	712.90	0.0	5	0	1-4
663.31	0.0	323	1	1-4	691.8	0.0	257	24	1-4	712.91	0.0	2	0	1-4
663.41	0.0	3	0	1-4	692.0	0.0	19	2	1-4	712.92	0.0	2	0	1-4
663.51	0.0	3	0	1-4	692.1	0.0	2	0	1-4	712.93	0.0	2	0	1-4
663.61	0.0	1	0	1-4	692.2	0.0	5	0	1-4	712.94	0.0	2	1	1-4
663.81	0.0	8	0	1-4	692.3	0.0	156	13	1-4	712.95	0.0	7	0	1-4
663.91	0.0	4	0	1-4	692.4	0.0	56	4	1-4	712.97	0.0	2	0	1-4
664.00	0.0	1	0	1-4	692.5	0.0	2	0	1-4	712.98	0.0	1	0	1-4
664.01	0.0	458	1	1-4	692.6	0.0	109	4	1-4	712.99	0.0	1	0	1-4
664.04	0.0	13	0	1-4	692.70	0.0	4	0	1-4	713.5	0.0	1	0	1-4
664.10	0.0	1	0	1-4	692.71	0.0	11	0	1-4	713.8	0.0	1	0	1-4
664.11	0.0	387	0	1-4	692.79	0.0	65	4	1-4	714.30	0.0	313	8	1-4
664.14	0.0	18	1	1-4	692.81	0.0	6	0	1-4	714.31	0.0	44	0	1-4
664.21	0.7	148	2	1-4	693.8	0.0	17	0	1-4	714.32	0.0	2	0	1-4
664.24	0.0	2	0	1-4	693.9	0.0	5	0	1-4	714.89	0.5	408	32	1-4
664.31	0.0	116	1	1-4	694.0	0.0	48	10	1-4	715.00	0.6	170	17	1-4
664.40	0.0	2	0	1-4	694.1	0.0	14	2	1-4	715.04	0.0	39	0	1-4
664.41	0.0	9	0	1-4	694.2	0.0	1	1	1-4	715.10	0.0	12	1	1-4
664.44	0.0	1	0	1-4	694.3	0.0	3	1	1-4	715.11	0.5	427	8	1-4
664.51	0.0	2	0	1-4	694.9	0.0	47	13	1-4	715.12	0.0	18	0	1-4
664.81	0.0	6	0	1-4	695.2	0.0	195	16	1-4	715.14	0.0	212	3	1-4
664.91	0.0	1	0	1-4	695.3	0.9	113	6	1-4	715.17	0.0	235	6	1-4
665.01	0.0	2	0	1-4	695.81	0.0	6	0	1-4	715.18	0.3	295	15	1-4
665.11	0.0	2	0	1-4	695.9	0.3	298	39	1-4	715.21	0.0	55	0	1-4
665.31	0.0	22	0	1-4	696.0	0.3	672	24	1-4	715.22	0.0	5	0	1-4
665.41	0.0	69	0	1-4	696.2	0.0	83	7	1-4	715.23	0.0	21	1	1-4
665.44	0.0	3	0	1-4	696.3	0.0	5	0	1-4	715.24	0.0	12	0	1-4
665.51	0.0	102	0	1-4	696.4	0.0	74	5	1-4	715.25	0.1	715	15	1-4
665.54	0.0	2	0	1-4	696.5	0.0	2	0	1-4	715.26	0.1	695	9	1-4
665.72	0.0	2	0	1-4	696.8	0.0	8	2	1-4	715.27	0.0	90	1	1-4
665.81	0.0	4	0	1-4	697.0	0.0	47	2	1-4	715.28	0.0	8	0	1-4
665.84	0.0	1	0	1-4	697.9	0.0	3	0	1-4	715.30	0.0	22	2	1-4
666.02	0.0	9	0	1-4	698.0	0.0	11	0	1-4	715.32	0.0	60	3	1-4
666.04	0.0	9	0	1-4	698.1	0.0	15	2	1-4	715.33	0.0	228	4	1-4
666.12	0.0	18	0	1-4	698.2	0.0	4	0	1-4	715.34	0.0	811	6	1-4
666.14	0.0	2	0	1-4	698.3	0.0	187	15	1-4	715.37	0.0	824	20	1-4
666.22	0.0	5	0	1-4	698.4	0.0	16	1	1-4	715.80	0.0	67	6	1-4
666.24	0.0	13	0	1-4	698.8	0.0	45	4	1-4	715.92	0.0	152	3	1-4
667.02	0.0	16	0	1-4	700	0.5	221	10	1-4	715.93	0.0	493	7	1-4
667.04	0.0	11	0	1-4	701.1	0.6	341	24	1-4	716.00	0.0	1	0	1-4
667.12	0.0	7	0	1-4	701.2	0.0	15	1	1-4	716.05	0.0	1	0	1-4
667.14	0.0	3	0	1-4	701.3	0.0	6	1	1-4	716.06	0.0	11	0	1-4
668.04	0.0	1	0	1-4	701.4	0.0	206	7	1-4	716.09	0.0	5	0	1-4
669.01	0.0	1	0	1-4	701.8	0.2	466	2	1-4	716.10	0.0	16	1	1-4
669.14	0.0	1	0	1-4	701.9	0.0	92	2	1-4	716.11	0.0	233	9	1-4
669.21	0.0	2	0	1-4	702	0.0	301	18	1-4	716.12	0.0	47	1	1-4
669.23	0.0	1	0	1-4	703.0	0.5	209	12	1-4	716.13	0.0	143	4	1-4
669.24	0.0	1	0	1-4	703.8	0.0	41	1	1-4	716.14	0.0	71	0	1-4
669.50	0.0	1	0	1-4	703.9	0.0	9	0	1-4	716.17	0.0	798	8	1-4
669.51	0.0	370	1	1-4	704.00	0.0	5	1	1-4	716.18	0.0	83	4	1-4
669.61	0.0	2	0	1-4	704.09	0.0	3	0	1-4	716.19	0.0	18	2	1-4
669.71	0.0	13	0	1-4	704.1	0.0	9	0	1-4	716.20	0.0	4	0	1-4
669.81	0.0	24	0	1-4	704.8	0.0	64	7	1-4	716.23	0.0	1	0	1-4
669.82	0.0	1	0	1-4	705.81	0.0	22	0	1-4	716.25	0.0	1	0	1-4
669.84	0.0	1	0	1-4	705.82	0.0	1	0	1-4	716.29	0.0	7	1	1-4
669.91	0.0	1	0	1-4	705.83	0.2	639	30	1-4	716.31	0.0	3	0	1-4
670.02	0.0	8	0	1-4	705.89	0.0	1	0	1-4	716.34	0.0	2	0	1-4
670.04	0.0	18	0	1-4	706.0	0.0	2	0	1-4	716.35	0.0	8	0	1-4
671.01	0.0	1	0	1-4	706.1	0.0	7	0	1-4	716.36	0.0	27	1	1-4
671.23	0.0	2	0	1-4	706.3	0.0	3	1	1-4	716.39	0.0	1	0	1-4
671.33	0.0	3	0	1-4	706.9	0.0	1	0	1-4	716.40	0.0	1	0	1-4
671.44	0.0	3	0	1-4	708.1	0.0	50	1	1-4	716.41	0.0	2	1	1-4
671.51	0.0	1	0	1-4	708.2	0.0	22	1	1-4	716.43	0.0	1	0	1-4
671.81	0.0	3	0	1-4	708.3	0.0	9	3	1-4	716.45	0.0	4	0	1-4
671.91	0.0	1	0	1-4	708.4	0.0	4	0	1-4	716.46	0.0	4	1	1-4
673.23	0.0	1	0	1-4	708.5	0.0	6	0	1-4	716.49	0.0	3	0	1-4
673.83	0.0	1	0	1-4	708.8	0.0	92	6	1-4	716.50	0.0	18	2	1-4
674.01	0.0	6	0	1-4	708.9	0.2	481	18	1-4	716.51	0.0	4	0	1-4
674.14	0.0	6	0	1-4	709.0	0.0	22	1	1-4	716.52	0.0	2	0	1-4
674.32	0.0	5	0	1-4	709.1	0.0	9	3	1-4	716.53	0.0	1	0	1-4
674.82	0.0	6	0	1-4	709.4	0.0	170	11	1-4	716.54	0.0	5	0	1-4
674.84	0.0	4	2	1-4	709.9	0.7	136	18	1-4	716.55	0.0	4	1	1-4
675.14	0.0	3	0	1-4	711.04	0.9	572	49	1-4	716.57	0.0	1	0	1-4
675.24	0.0	1	0	1-4	711.10	0.0	1	0	1-4	716.58	0.0	10	1	1-4
676.22	0.0	2	0	1-4	711.40	0.0	1	0	1-4	716.59	0.2	512	27	1-4
676.24	0.0	1	0	1-4	711.52	0.0	1	0	1-4	716.60	0.0	5	0	1-4
680.0	0.0	71	8	1-4	711.90	0.0	15	0	1-4	716.61	0.0	7	0	1-4
680.1	0.6	155	9	1-4	711.91	0.0	39	3	1-4	716.62	0.0	3	0	1-4
680.2	0.4	235	25	1-4	711.92	0.0	36	3	1-4	716.63	0.0	37	2	1-4
680.4	0.0	27	1	1-4	711.94	0.0	61	0	1-4	716.64	0.0	4	1	1-4
680.6	0.8	131	20	1-4	711.97	0.0	102	10	1-4	716.65	0.0	24	1	1-4
680.8	0.0	47	4	1-4	711.99	0.0	21	0	1-4	716.68	0.0	12	1	1-4
681.01	0.0	327	12	1-4	712.10	0.0	1	0	1-4	716.80	0.0	17	0	1-4
681.02	0.8	366	15	1-4	712.13	0.0	1	0	1-4	716.81	0.0	45	2	1-4
681.11	0.4	515	59	1-4	712.26	0.0	1	0	1-4	716.82	0.0	4	0	1-4
681.9	0.0	26	3	1-4	712.31	0.0	1	0	1-4	716.83	0.0	22	0	1-4
684	0.8	237	54	1-4	712.36	0.0	2	0	1-4	716.84	0.0	51	3	1-4
685.0	0.0	402	24	1-4	712.83	0.0	1	0	1-4	716.85	0.0	40	1	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
716.86	0.9	110	4	1-4
716.87	0.0	28	0	1-4
716.88	0.0	30	3	1-4
716.89	0.0	35	2	1-4
716.91	0.2	518	19	1-4
716.92	0.0	62	5	1-4
716.93	0.9	222	13	1-4
716.94	0.0	643	11	1-4
716.97	0.0	571	17	1-4
716.98	0.8	526	28	1-4
717.0	0.0	109	3	1-4
717.1	0.0	144	4	1-4
717.2	0.0	424	2	1-4
717.3	0.2	876	20	1-4
717.40	0.0	333	4	1-4
717.41	0.0	33	0	1-4
717.42	0.0	46	1	1-4
717.43	0.0	76	0	1-4
717.5	0.9	224	7	1-4
717.6	0.0	537	10	1-4
717.7	0.0	543	7	1-4
717.81	0.0	17	0	1-4
717.82	0.0	49	0	1-4
717.83	0.0	116	0	1-4
717.84	0.0	11	0	1-4
717.85	0.0	30	0	1-4
717.89	0.0	141	6	1-4
717.9	0.0	346	8	1-4
718.00	0.0	2	0	1-4
718.01	0.0	131	0	1-4
718.02	0.0	1	0	1-4
718.03	0.0	19	0	1-4
718.04	0.0	3	0	1-4
718.05	0.0	16	0	1-4
718.07	0.0	16	0	1-4
718.08	0.0	12	0	1-4
718.11	0.0	34	0	1-4
718.12	0.0	67	1	1-4
718.13	0.0	2	0	1-4
718.15	0.0	72	2	1-4
718.17	0.0	36	0	1-4
718.18	0.0	7	0	1-4
718.20	.	1	1	1-4
718.23	0.0	36	0	1-4
718.24	0.0	51	1	1-4
718.26	0.0	92	1	1-4
718.27	0.0	77	0	1-4
718.28	0.0	54	4	1-4
718.29	0.0	1	0	1-4
718.30	0.0	3	0	1-4
718.33	0.0	35	1	1-4
718.34	0.0	57	1	1-4
718.35	0.6	318	27	1-4
718.36	0.1	788	17	1-4
718.37	0.0	116	3	1-4
718.38	0.0	33	1	1-4
718.40	0.0	15	3	1-4
718.41	0.0	22	2	1-4
718.43	0.0	112	8	1-4
718.45	0.3	339	39	1-4
718.47	0.0	202	7	1-4
718.48	0.0	51	2	1-4
718.50	0.0	2	0	1-4
718.51	0.0	54	1	1-4
718.52	0.0	37	0	1-4
718.53	0.0	7	0	1-4
718.54	0.0	28	1	1-4
718.56	0.4	777	10	1-4
718.57	0.0	25	1	1-4
718.58	0.0	22	1	1-4
718.59	0.0	8	0	1-4
718.60	0.0	2	0	1-4
718.80	0.0	5	0	1-4
718.81	0.5	194	8	1-4
718.82	0.0	29	0	1-4
718.83	0.0	86	3	1-4
718.84	0.0	53	1	1-4
718.86	0.3	387	11	1-4
718.87	0.4	239	4	1-4
718.88	0.5	188	18	1-4
718.89	0.0	5	0	1-4
718.90	0.0	7	0	1-4
718.91	0.9	117	3	1-4
718.92	0.0	7	0	1-4
718.93	0.0	11	0	1-4
718.94	0.0	6	0	1-4
718.95	0.0	29	5	1-4
718.97	0.0	35	0	1-4
718.98	0.0	11	0	1-4
718.99	0.0	1	0	1-4
719.00	0.0	2	0	1-4
719.01	0.0	32	3	1-4
719.02	0.0	24	4	1-4
719.03	0.0	18	0	1-4
719.04	0.0	2	0	1-4
719.05	0.0	23	0	1-4
719.07	0.0	46	8	1-4
719.08	0.0	6	0	1-4
719.09	0.0	15	0	1-4
719.10	0.0	8	0	1-4
719.12	0.0	40	9	1-4
719.13	0.0	10	1	1-4
719.14	0.0	4	0	1-4
719.17	0.0	26	1	1-4
719.18	0.0	3	1	1-4
719.19	0.0	8	1	1-4
719.21	0.0	34	1	1-4
719.22	0.0	17	0	1-4
719.23	0.0	61	3	1-4
719.24	0.0	11	0	1-4
719.25	0.0	92	6	1-4
719.26	0.0	305	12	1-4
719.27	0.0	36	2	1-4
719.28	0.0	7	1	1-4
719.29	0.0	7	1	1-4
719.30	0.0	6	0	1-4
719.31	0.0	3	0	1-4
719.32	0.0	1	0	1-4
719.33	0.0	2	0	1-4
719.34	0.0	3	0	1-4
719.35	0.0	21	1	1-4
719.36	0.0	14	1	1-4
719.37	0.0	2	0	1-4
719.38	0.0	1	0	1-4
719.39	0.0	11	0	1-4
719.40	0.0	49	6	1-4
719.42	0.0	46	4	1-4
719.43	0.0	90	1	1-4
719.44	0.0	20	1	1-4
719.46	0.8	789	46	1-4
719.47	0.0	163	5	1-4
719.48	0.0	47	8	1-4
719.50	0.0	3	1	1-4
719.51	0.0	5	0	1-4
719.52	0.0	4	0	1-4
719.53	0.0	3	0	1-4
719.54	0.0	17	0	1-4
719.55	0.0	12	0	1-4
719.56	0.0	187	3	1-4
719.57	0.0	4	0	1-4
719.58	0.0	8	0	1-4
719.59	0.0	10	1	1-4
719.60	0.0	4	0	1-4
719.61	0.0	37	1	1-4
719.62	0.0	14	0	1-4
719.63	0.0	7	0	1-4
719.64	0.0	7	0	1-4
719.65	0.0	41	4	1-4
719.66	0.0	55	1	1-4
719.67	0.0	19	2	1-4
719.68	0.0	13	0	1-4
719.76	0.8	133	18	1-4
719.77	0.0	10	0	1-4
719.78	0.0	22	2	1-4
719.79	0.0	32	6	1-4
719.81	0.0	65	2	1-4
719.82	0.0	12	1	1-4
719.83	0.0	15	0	1-4
719.84	0.0	11	1	1-4
719.86	0.0	125	4	1-4
719.87	0.0	38	1	1-4
719.88	0.0	11	0	1-4
719.89	0.0	7	1	1-4
719.90	0.0	6	2	1-4
719.91	0.0	38	1	1-4
719.92	0.0	3	0	1-4
719.93	0.0	5	0	1-4
719.94	0.0	11	0	1-4
719.95	0.8	395	16	1-4
719.96	0.9	462	17	1-4
719.97	0.0	27	1	1-4
719.98	0.0	29	2	1-4
719.99	0.0	4	1	1-4
720.1	0.5	364	16	1-4
720.2	0.3	712	52	1-4
720.89	0.0	19	1	1-4
721.5	0.0	12	0	1-4
721.8	0.0	13	2	1-4
722.30	0.0	3	0	1-4
722.31	0.0	3	0	1-4
722.32	0.0	3	0	1-4
722.39	0.0	3	0	1-4
722.6	0.1	761	40	1-4
722.72	0.5	207	13	1-4
722.80	0.0	98	0	1-4
722.81	0.0	125	6	1-4
722.82	0.0	60	5	1-4
722.90	0.0	118	4	1-4
722.91	0.3	774	26	1-4
723.3	0.0	49	3	1-4
723.5	0.4	258	18	1-4
723.6	0.0	2	0	1-4
723.7	0.0	25	4	1-4
723.8	0.2	415	32	1-4
723.9	0.0	40	2	1-4
724.09	0.0	128	10	1-4
724.70	0.0	1	0	1-4
724.9	0.3	596	45	1-4
726.11	0.0	211	2	1-4
726.19	0.3	298	10	1-4
726.30	0.0	10	0	1-4
726.31	0.0	23	0	1-4
726.39	0.0	5	0	1-4
726.4	0.0	31	1	1-4
726.60	0.7	449	24	1-4
726.61	0.0	67	4	1-4
726.62	0.0	11	1	1-4
726.63	0.0	2	0	1-4
726.64	0.0	42	3	1-4
726.69	0.0	102	6	1-4
726.70	0.0	401	5	1-4
726.71	0.0	162	10	1-4
726.72	0.0	103	1	1-4
726.73	0.0	511	3	1-4
726.79	0.0	195	6	1-4
726.8	0.0	48	2	1-4
726.90	0.0	274	12	1-4
727.01	0.0	1	0	1-4
727.02	0.0	36	0	1-4
727.03	0.0	155	2	1-4
727.04	0.0	44	0	1-4
727.06	0.5	199	10	1-4
727.09	0.2	409	24	1-4
727.2	0.0	44	2	1-4
727.3	0.7	142	10	1-4
727.40	0.0	502	4	1-4
727.41	0.4	236	11	1-4
727.42	0.0	89	1	1-4
727.43	0.0	204	5	1-4
727.49	0.0	115	4	1-4
727.50	0.0	11	1	1-4
727.59	0.0	3	0	1-4
727.60	0.0	12	0	1-4
727.62	0.0	79	2	1-4
727.63	0.0	339	10	1-4
727.64	0.0	100	1	1-4
727.65	0.0	205	7	1-4
727.67	0.4	229	7	1-4
727.68	0.0	219	2	1-4
727.69	0.0	61	0	1-4
727.81	0.5	415	34	1-4
727.89	0.7	581	44	1-4
727.9	0.0	53	2	1-4
728.10	0.0	31	3	1-4
728.12	0.0	119	10	1-4
728.13	0.0	83	5	1-4
728.19	0.0	9	1	1-4
728.5	0.0	7	0	1-4
728.71	0.9	329	6	1-4
728.81	0.0	19	6	1-4
728.82	0.0	84	3	1-4
729.0	0.6	322	15	1-4
729.31	0.0	16	0	1-4
729.6	0.0	143	11	1-4
729.82	0.0	127	10	1-4
729.9	0.0	131	8	1-4
730.00	0.0	12	2	1-4
730.02	0.0	84	6	1-4
730.04	0.7	426	31	1-4
730.10	0.0	16	1	1-4
730.11	0.0	70	6	1-4
730.12	0.0	64	4	1-4
730.13	0.0	35	3	1-4
730.14	0.0	135	15	1-4
730.18	0.5	761	88	1-4
730.19	0.0	28	3	1-4
730.24	0.9	661	56	1-4
730.30	0.0	1	1	1-4
730.34	0.0	1	0	1-4
730.35	0.0	14	2	1-4
730.36	0.0	31	2	1-4
730.37	0.0	22	0	1-4
730.70	0.0	2	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
730.87	0.0	1	0	1-4
730.90	0.0	1	1	1-4
730.91	0.0	1	0	1-4
730.92	0.0	4	2	1-4
730.93	0.0	2	0	1-4
730.94	0.0	1	0	1-4
730.95	0.0	17	2	1-4
730.96	0.0	17	0	1-4
730.97	0.0	19	2	1-4
730.98	0.0	14	1	1-4
730.99	0.0	2	0	1-4
731.2	0.0	16	7	1-4
732.0	0.0	8	0	1-4
732.2	0.0	13	0	1-4
732.3	0.0	31	0	1-4
732.5	0.0	32	0	1-4
732.6	0.0	3	0	1-4
732.7	0.0	111	1	1-4
732.8	0.0	41	2	1-4
732.9	0.8	125	5	1-4
733.01	0.7	550	86	1-4
733.02	0.0	67	5	1-4
733.03	0.0	21	3	1-4
733.20	0.4	272	11	1-4
733.21	0.0	52	5	1-4
733.22	0.0	20	1	1-4
733.3	0.0	15	1	1-4
733.43	0.5	386	8	1-4
733.5	0.0	92	0	1-4
733.6	0.3	299	19	1-4
733.7	0.0	50	0	1-4
733.91	0.0	6	0	1-4
733.92	0.0	59	2	1-4
734	0.4	224	3	1-4
735.1	0.3	372	4	1-4
735.3	0.0	23	0	1-4
735.5	0.2	579	7	1-4
735.8	0.2	497	9	1-4
735.9	0.9	113	4	1-4
736.00	0.0	123	4	1-4
736.01	0.0	2	0	1-4
736.02	0.0	2	0	1-4
736.05	0.0	25	3	1-4
736.06	0.0	24	1	1-4
736.07	0.0	1	0	1-4
736.09	0.0	91	1	1-4
736.1	0.0	8	0	1-4
736.20	0.0	51	3	1-4
736.21	0.0	32	1	1-4
736.22	0.0	63	0	1-4
736.29	0.0	100	6	1-4
736.30	0.0	69	3	1-4
736.31	0.0	3	0	1-4
736.32	0.0	13	0	1-4
736.42	0.3	304	2	1-4
736.5	0.0	8	0	1-4
736.6	0.4	261	3	1-4
736.70	0.0	308	5	1-4
736.71	0.0	488	11	1-4
736.72	0.8	125	4	1-4
736.73	0.0	68	0	1-4
736.74	0.0	52	0	1-4
736.75	0.0	59	1	1-4
736.76	0.0	48	0	1-4
736.81	0.0	54	1	1-4
736.89	0.0	236	18	1-4
736.9	0.0	10	0	1-4
737.0	0.0	6	0	1-4
737.11	0.0	1	0	1-4
737.12	0.0	24	0	1-4
737.20	0.0	9	1	1-4
737.21	0.0	3	1	1-4
737.22	0.0	4	0	1-4
737.29	0.0	1	0	1-4
737.31	0.0	1	0	1-4
737.32	0.0	5	0	1-4
737.33	0.0	2	1	1-4
737.39	0.6	172	10	1-4
737.8	0.0	4	0	1-4
737.9	0.0	3	0	1-4
738.0	0.0	684	20	1-4
738.1	0.2	664	22	1-4
738.3	0.0	48	2	1-4
738.5	0.0	126	12	1-4
738.6	0.0	14	1	1-4
738.7	0.0	2	0	1-4
738.8	0.0	117	5	1-4
738.9	0.0	10	0	1-4
739.0	0.0	3	0	1-4
739.1	0.0	30	2	1-4
739.2	0.0	47	3	1-4
739.3	0.0	86	6	1-4
739.5	0.0	6	1	1-4
739.6	0.0	12	0	1-4
739.7	0.0	5	0	1-4
739.8	0.0	20	1	1-4
740.0	0.0	3	0	1-4
740.2	0.0	2	0	1-4
741.00	0.0	31	3	1-4
741.02	0.0	2	0	1-4
741.03	0.0	6	1	1-4
741.90	0.0	12	0	1-4
741.91	0.0	25	3	1-4
741.92	0.0	13	0	1-4
742.0	0.0	26	0	1-4
742.3	0.9	112	10	1-4
742.51	0.0	7	1	1-4
742.53	0.0	27	1	1-4
742.8	0.0	26	2	1-4
742.9	0.0	20	1	1-4
743.00	0.0	4	0	1-4
743.10	0.0	5	0	1-4
743.20	0.0	24	0	1-4
743.22	0.0	5	0	1-4
743.30	0.0	19	0	1-4
743.32	0.0	3	0	1-4
743.33	0.0	17	1	1-4
743.34	0.0	1	0	1-4
743.37	0.0	4	0	1-4
743.39	0.0	2	0	1-4
743.41	0.0	8	0	1-4
743.42	0.0	2	0	1-4
743.44	0.0	7	0	1-4
743.45	0.0	9	0	1-4
743.46	0.0	2	0	1-4
743.48	0.0	1	0	1-4
743.49	0.0	1	0	1-4
743.51	0.0	1	0	1-4
743.54	0.0	1	0	1-4
743.57	0.0	1	0	1-4
743.58	0.0	1	0	1-4
743.61	0.0	9	0	1-4
743.62	0.0	2	0	1-4
743.63	0.0	1	0	1-4
743.65	0.0	1	0	1-4
743.66	0.0	1	0	1-4
743.8	0.0	3	0	1-4
743.9	0.0	1	0	1-4
744.01	0.0	1	0	1-4
744.02	0.0	29	0	1-4
744.03	0.0	6	0	1-4
744.04	0.0	6	0	1-4
744.05	0.0	3	0	1-4
744.22	0.0	3	0	1-4
744.23	0.0	3	0	1-4
744.29	0.0	7	0	1-4
744.3	0.0	5	0	1-4
744.42(88)	0.0	136	3	1-4
744.42(89)	0.7	134	8	1-4
744.42(90)	0.0	107	1	1-4
744.43	0.0	1	0	1-4
744.46	0.0	2	0	1-4
744.47	0.0	9	1	1-4
744.84	0.0	3	0	1-4
744.89	0.0	2	0	1-4
744.9	0.0	2	0	1-4
745.11	0.0	8	1	1-4
745.12	0.0	5	0	1-4
745.19	0.0	2	0	1-4
745.3	0.0	6	1	1-4
745.60	0.0	10	2	1-4
745.7	0.0	1	0	1-4
745.9	0.0	1	1	1-4
746.01	0.0	2	1	1-4
746.02	0.0	26	1	1-4
746.09	0.0	1	0	1-4
746.1	0.0	14	0	1-4
746.5	0.0	11	0	1-4
746.6	0.0	11	1	1-4
746.7	0.0	2	0	1-4
746.82	0.0	2	0	1-4
746.83	0.0	6	1	1-4
746.84	0.0	5	1	1-4
746.86	0.0	10	1	1-4
747.20	0.0	1	0	1-4
747.21	0.0	13	3	1-4
747.40	0.0	6	0	1-4
747.41	0.0	3	0	1-4
747.42	0.0	9	0	1-4
747.49	0.0	19	1	1-4
748.0	0.0	11	0	1-4
748.1	0.0	24	1	1-4
748.2	0.0	30	0	1-4
748.4	0.0	13	1	1-4
748.5	0.0	26	4	1-4
748.60	0.0	3	0	1-4
748.61	0.0	7	1	1-4
748.69	0.0	5	0	1-4
748.8	0.0	28	1	1-4
748.9	0.0	3	1	1-4
749.00	0.0	13	0	1-4
749.01	0.0	2	0	1-4
749.02	0.0	7	1	1-4
749.10	0.0	5	0	1-4
749.12	0.0	4	0	1-4
749.20	0.0	10	0	1-4
749.21	0.0	4	1	1-4
749.22	0.0	6	0	1-4
749.24	0.0	5	0	1-4
750.0	0.0	10	0	1-4
750.10	0.0	1	0	1-4
750.15	0.0	12	1	1-4
750.16	0.0	1	0	1-4
750.19	0.0	1	0	1-4
750.22	0.0	1	0	1-4
750.26	0.0	7	1	1-4
750.27	0.0	15	0	1-4
750.29	0.0	9	1	1-4
750.5	0.0	5	0	1-4
750.6	0.0	5	0	1-4
750.7	0.0	85	21	1-4
750.8	0.0	21	2	1-4
750.9	0.0	16	1	1-4
751.1	0.0	8	2	1-4
751.2	0.0	4	0	1-4
751.4	0.0	115	4	1-4
751.60	0.0	10	0	1-4
751.8	0.0	60	5	1-4
751.9	0.0	14	2	1-4
752.0	0.0	2	0	1-4
752.10	0.0	3	0	1-4
752.11	0.3	387	5	1-4
752.19	0.0	3	0	1-4
752.2	0.0	2	0	1-4
752.3	0.0	9	0	1-4
752.40	0.0	15	2	1-4
752.41	0.0	1	0	1-4
752.49	0.0	25	2	1-4
752.5	0.5	187	2	1-4
752.6	0.0	40	2	1-4
752.7	0.0	3	0	1-4
752.8	0.0	53	3	1-4
753.0	0.0	51	3	1-4
753.4	0.0	31	1	1-4
753.5	0.0	5	0	1-4
753.6	0.0	43	4	1-4
753.8	0.0	42	3	1-4
753.9	0.0	17	0	1-4
754.0	0.0	20	1	1-4
754.1	0.0	6	1	1-4
754.31	0.0	51	0	1-4
754.33	0.0	9	1	1-4
754.40	0.0	1	0	1-4
754.41	0.0	3	0	1-4
754.42	0.0	2	0	1-4
754.44	0.0	1	0	1-4
754.50	0.0	6	0	1-4
754.52	0.0	448	3	1-4
754.53	0.0	35	0	1-4
754.59	0.0	15	0	1-4
754.60	0.0	21	0	1-4
754.61	0.0	20	0	1-4
754.62	0.0	5	0	1-4
754.69	0.0	15	0	1-4
754.70	0.0	23	0	1-4
754.71	0.0	80	0	1-4
754.79	0.0	9	0	1-4
754.81	0.0	5	0	1-4
754.82	0.0	1	0	1-4
754.89	0.0	14	0	1-4
755.02	0.0	2	0	1-4
755.10	0.0	3	0	1-4
755.13	0.0	6	0	1-4
755.14	0.0	1	0	1-4
755.22	0.0	1	0	1-4
755.23	0.0	1	0	1-4
755.26	0.0	2	0	1-4
755.30	0.0	3	1	1-4
755.31	0.0	2	0	1-4
755.34	0.0	3	0	1-4
755.36	0.0	3	0	1-4
755.4	0.0	2	0	1-4
755.50	0.0	6	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
755.51	.	1	1	1-4
755.52	0.0	2	1	1-4
755.53	0.0	6	0	1-4
755.54	0.0	11	0	1-4
755.55	0.0	5	0	1-4
755.56	0.0	8	0	1-4
755.57	0.0	1	0	1-4
755.60	0.0	7	0	1-4
755.61	0.0	2	0	1-4
755.63	0.0	133	1	1-4
755.64	0.0	22	0	1-4
755.65	0.0	2	0	1-4
755.66	0.0	50	2	1-4
755.67	0.0	49	0	1-4
755.69	0.0	49	1	1-4
755.8	0.0	9	0	1-4
755.9	0.0	1	0	1-4
756.10	0.0	15	0	1-4
756.11	0.0	458	27	1-4
756.14	0.0	1	0	1-4
756.15	0.0	16	1	1-4
756.16	0.0	7	0	1-4
756.17	0.0	2	0	1-4
756.2	0.0	5	0	1-4
756.4	0.0	28	1	1-4
756.50	0.0	40	3	1-4
756.51	0.0	35	1	1-4
756.52	0.0	24	1	1-4
756.53	0.0	1	0	1-4
756.54	0.0	8	0	1-4
756.56	0.0	3	0	1-4
756.59	0.0	42	5	1-4
756.7	0.0	7	0	1-4
756.81	0.0	3	0	1-4
756.82	0.0	1	0	1-4
756.83	0.0	8	1	1-4
756.89	0.0	8	0	1-4
756.9	0.0	15	0	1-4
757.1	0.0	15	3	1-4
757.2	0.0	1	0	1-4
757.31	0.0	2	0	1-4
757.32	0.0	6	1	1-4
757.5	0.0	2	0	1-4
757.6	0.0	20	0	1-4
757.9	0.0	2	1	1-4
758.1	0.0	3	0	1-4
758.6	0.0	5	0	1-4
758.7	0.0	3	0	1-4
758.9	0.0	3	1	1-4
759.0	0.0	20	2	1-4
759.1	0.0	1	0	1-4
759.2	0.0	519	6	1-4
759.4	0.0	2	0	1-4
759.6	0.5	389	11	1-4
759.8 (88)	0.0	17	0	1-4
759.8 (89)	0.0	27	2	1-4
759.82(90)	0.0	4	0	1-4
759.89(90)	0.0	12	1	1-4
760.0	0.0	1	0	1-4
760.2	0.0	3	0	1-4
760.6	0.0	3	1	1-4
760.79	0.0	1	0	1-4
760.8	0.0	1	0	1-4
760.9	0.0	2	0	1-4
761.0	.	1	1	1-4
761.9	0.0	1	0	1-4
762.2	0.0	1	0	1-4
762.9	0.0	2	1	1-4
763.1	0.0	4	0	1-4
763.2	.	1	1	1-4
766.0	0.0	2	1	1-4
767.4	0.0	2	0	1-4
767.5	0.0	1	0	1-4
769	0.0	1	0	1-4
770.7	0.0	1	0	1-4
772.4	0.0	1	0	1-4
773.1	0.0	1	0	1-4
773.2	0.0	1	1	1-4
774.6	0.0	1	1	1-4
776.9	0.0	1	1	1-4
778.6	0.0	1	0	1-4
779.1	0.0	1	0	1-4
779.8	.	1	1	1-4
779.9	0.0	2	0	1-4
780.50	0.6	176	15	1-4
780.51	0.5	207	18	1-4
780.55	0.0	5	1	1-4
780.8	0.5	442	33	1-4
781.1	0.0	22	2	1-4
781.7	0.0	38	3	1-4
782.2	0.4	257	28	1-4
782.61	0.0	2	0	1-4
782.62	0.0	37	3	1-4
782.9	0.0	16	4	1-4
783.1	0.0	18	1	1-4
783.5	0.0	161	4	1-4
784.40	0.0	5	1	1-4
784.41	0.0	99	12	1-4
784.49	0.7	137	14	1-4
784.60	0.0	1	0	1-4
784.61	0.0	3	1	1-4
784.69	0.6	166	22	1-4
785.2	0.0	34	6	1-4
786.00	0.0	25	3	1-4
786.7	0.0	6	0	1-4
787.4	0.0	34	7	1-4
787.5	0.0	7	2	1-4
787.7	0.0	25	3	1-4
788.1	0.9	116	19	1-4
788.6	0.0	96	11	1-4
788.7	0.0	4	0	1-4
790.1	0.0	19	4	1-4
790.3	0.0	10	2	1-4
790.5	0.9	331	30	1-4
790.9	0.0	45	7	1-4
791.0	0.5	194	18	1-4
791.2	0.0	15	2	1-4
791.4	0.0	1	1	1-4
791.5	0.0	5	1	1-4
791.6	0.0	4	0	1-4
791.7	0.0	14	0	1-4
792.0	0.0	13	2	1-4
792.1	0.0	26	3	1-4
792.2	0.0	1	0	1-4
792.9	0.0	2	0	1-4
793.0	0.0	14	2	1-4
793.2	0.0	47	2	1-4
793.6	0.0	20	0	1-4
793.7	0.0	9	3	1-4
793.8	0.0	85	3	1-4
793.9	0.0	10	0	1-4
794.00	0.0	1	0	1-4
794.01	0.0	3	0	1-4
794.02	0.0	9	3	1-4
794.09	0.0	11	1	1-4
794.11	0.0	1	0	1-4
794.2	0.0	13	0	1-4
794.30	0.3	292	2	1-4
794.39	0.0	393	8	1-4
794.4	0.0	32	1	1-4
794.5	0.0	9	2	1-4
794.6	0.0	3	0	1-4
794.7	0.0	6	1	1-4
794.9	0.0	27	2	1-4
795.0	0.7	141	3	1-4
795.1	0.0	20	0	1-4
795.2	0.0	3	0	1-4
795.3	0.0	15	2	1-4
795.6	0.0	4	0	1-4
795.7	0.0	43	5	1-4
795.8 (88)	0.0	4	0	1-4
795.8 (89)	0.0	5	3	1-4
796.1	0.0	32	4	1-4
796.2	0.0	54	1	1-4
796.9	0.0	7	0	1-4
798.9	0.0	1	0	1-4
800.02	0.0	74	7	1-4
800.03	0.0	7	1	1-4
800.09	0.0	38	7	1-4
800.29	0.0	11	1	1-4
800.39	0.0	9	0	1-4
800.40	0.0	6	0	1-4
800.42	0.0	7	2	1-4
800.43	0.0	2	0	1-4
800.44	0.0	1	1	1-4
800.45	.	3	3	1-4
800.49	0.0	3	0	1-4
800.50	0.0	22	0	1-4
800.52	0.0	9	0	1-4
800.54	0.0	1	0	1-4
800.64	0.0	4	2	1-4
800.69	0.0	1	0	1-4
800.72	0.0	5	4	1-4
800.73	.	1	1	1-4
800.74	0.0	4	0	1-4
800.79	0.0	3	0	1-4
800.82	0.0	1	0	1-4
800.83	.	1	1	1-4
800.91	0.0	5	1	1-4
800.92	0.0	2	0	1-4
800.93	.	1	1	1-4
800.95	.	5	5	1-4
801.02	0.6	310	23	1-4
801.14	0.0	15	5	1-4
801.44	0.0	3	0	1-4
801.49	0.0	15	4	1-4
801.51	0.0	44	1	1-4
801.52	0.0	10	1	1-4
801.53	.	2	2	1-4
801.54	0.0	2	1	1-4
801.55	.	2	2	1-4
801.56	0.0	8	1	1-4
801.59	0.0	5	1	1-4
801.62	0.0	8	1	1-4
801.63	0.0	2	0	1-4
801.64	0.0	1	0	1-4
801.66	0.0	11	3	1-4
801.69	0.0	1	1	1-4
801.82	0.0	4	0	1-4
801.84	.	1	1	1-4
801.90	0.0	3	1	1-4
801.91	0.0	3	1	1-4
801.93	.	2	2	1-4
802.23	0.0	11	1	1-4
802.25	0.4	279	13	1-4
802.26	0.0	111	5	1-4
802.27	0.0	37	3	1-4
802.32	0.0	11	2	1-4
802.33	0.0	1	0	1-4
802.34	0.0	28	1	1-4
802.37	0.0	8	1	1-4
802.5	0.8	124	13	1-4
802.7	0.0	24	0	1-4
803.03	0.0	4	0	1-4
803.04	0.0	2	0	1-4
803.13	0.0	3	0	1-4
803.14	0.0	3	1	1-4
803.19	0.0	11	1	1-4
803.33	0.0	1	0	1-4
803.34	0.0	3	0	1-4
803.39	0.0	5	0	1-4
803.41	0.0	7	0	1-4
803.49	0.0	1	0	1-4
803.50	0.0	16	0	1-4
803.52	0.0	2	1	1-4
803.55	.	3	3	1-4
803.56	0.0	3	0	1-4
803.59	0.0	1	0	1-4
803.61	0.0	6	1	1-4
803.64	0.0	1	0	1-4
803.69	0.0	1	0	1-4
803.71	0.0	2	0	1-4
803.72	0.0	3	0	1-4
803.80	0.0	2	0	1-4
803.83	0.0	1	1	1-4
803.86	.	3	3	1-4
803.90	0.0	1	0	1-4
803.93	.	1	1	1-4
803.96	.	1	1	1-4
804.02	0.0	19	3	1-4
804.06	0.0	8	0	1-4
804.09	0.0	8	1	1-4
804.11	0.0	5	1	1-4
804.12	0.0	2	0	1-4
804.16	0.0	3	0	1-4
804.19	0.0	2	0	1-4
804.23	0.0	2	0	1-4
804.29	0.0	2	1	1-4
804.31	0.0	4	0	1-4
804.32	0.0	9	2	1-4
804.33	0.0	1	1	1-4
804.40	0.0	2	0	1-4
804.41	0.0	2	0	1-4
804.42	0.0	4	1	1-4
804.45	.	1	1	1-4
804.49	0.0	1	0	1-4
804.51	0.0	3	2	1-4
804.54	0.0	1	1	1-4
804.60	0.0	1	0	1-4
804.70	0.0	2	0	1-4
804.71	0.0	4	1	1-4
804.76	0.0	1	1	1-4
804.81	.	1	1	1-4
804.82	0.0	1	0	1-4
804.85	.	4	4	1-4
804.95	.	2	2	1-4
804.96	0.0	1	1	1-4
805.10	0.0	3	1	1-4
805.11	0.0	8	0	1-4
805.12	0.0	6	2	1-4
805.13	0.0	1	0	1-4
805.14	0.0	2	0	1-4
805.15	0.0	1	0	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

		OTHER		
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
805.17	0.0	2	0	1-4
805.3	0.0	49	4	1-4
805.5	0.0	35	7	1-4
805.7	0.0	7	1	1-4
805.9	0.0	22	0	1-4
806.11	0.0	2	2	1-4
806.13	0.0	1	0	1-4
806.14	0.0	3	1	1-4
806.15	0.0	6	1	1-4
806.18	0.0	1	0	1-4
806.22	0.0	6	4	1-4
806.23	0.0	3	0	1-4
806.27	0.0	10	3	1-4
806.28	0.0	1	1	1-4
806.30	0.0	1	0	1-4
806.31	0.0	1	0	1-4
806.34	0.0	1	0	1-4
806.35	0.0	13	3	1-4
806.5	0.0	7	1	1-4
806.60	0.0	15	4	1-4
806.61	0.0	2	0	1-4
806.72	0.0	1	0	1-4
806.9	0.0	2	0	1-4
807.10	0.0	20	2	1-4
807.12	0.0	21	3	1-4
807.13	0.0	16	3	1-4
807.14	0.0	11	0	1-4
807.16	0.0	5	0	1-4
807.17	0.0	2	1	1-4
807.18	0.0	3	0	1-4
808.1	0.0	21	4	1-4
808.51	0.0	19	1	1-4
808.52	0.0	29	2	1-4
809.1	0.0	2	0	1-4
810.10	0.0	24	3	1-4
810.11	0.0	2	0	1-4
810.12	0.0	7	1	1-4
810.13	0.0	7	0	1-4
811.01	0.0	91	15	1-4
811.02	0.0	21	4	1-4
811.10	0.0	3	0	1-4
811.11	0.0	2	0	1-4
811.13	0.0	5	0	1-4
811.19	0.0	1	0	1-4
812.13	0.0	13	1	1-4
812.19	0.0	29	4	1-4
812.42	0.4	504	27	1-4
812.49	0.4	756	23	1-4
812.52	0.0	26	2	1-4
812.53	0.0	23	0	1-4
812.54	0.0	63	1	1-4
812.59	0.0	28	1	1-4
813.03	0.0	454	8	1-4
813.06	0.0	62	0	1-4
813.07	0.8	497	23	1-4
813.08	0.3	714	17	1-4
813.10	0.0	9	0	1-4
813.11	0.9	439	24	1-4
813.12	0.0	8	0	1-4
813.13	0.0	56	0	1-4
813.14	0.0	65	3	1-4
813.15	0.0	40	1	1-4
813.16	0.0	1	0	1-4
813.17	0.0	15	0	1-4
813.18	0.0	56	1	1-4
813.20	0.0	9	1	1-4
813.21	0.6	339	16	1-4
813.22	0.0	179	11	1-4
813.30	0.0	2	0	1-4
813.33	0.5	186	7	1-4
813.51	0.6	485	24	1-4
813.52	0.3	360	6	1-4
813.53	0.7	139	3	1-4
813.81	0.0	625	35	1-4
813.82	0.6	171	15	1-4
813.91	0.0	43	1	1-4
814.02	0.0	16	0	1-4
814.03	0.0	14	0	1-4
814.04	0.0	2	1	1-4
814.05	0.0	3	0	1-4
814.07	0.0	1	0	1-4
814.08	0.0	4	0	1-4
814.09	0.0	15	1	1-4
814.10	0.0	135	3	1-4
814.11	0.0	9	0	1-4
814.12	0.0	5	0	1-4
814.13	0.0	1	0	1-4
814.15	0.0	2	0	1-4
814.16	0.0	1	0	1-4
814.17	0.0	3	0	1-4
814.18	0.0	2	0	1-4
814.19	0.0	4	0	1-4
815.00	0.4	270	13	1-4
815.01	0.0	97	2	1-4
815.03	0.0	67	1	1-4
815.04	0.0	40	3	1-4
815.10	0.6	158	7	1-4
815.11	0.0	37	0	1-4
815.12	0.0	40	1	1-4
815.13	0.0	51	3	1-4
815.14	0.0	37	2	1-4
815.19	0.0	34	1	1-4
816.00	0.6	155	10	1-4
816.01	0.3	353	17	1-4
816.02	0.9	109	4	1-4
816.03	0.0	31	2	1-4
816.10	0.0	441	16	1-4
816.12	0.3	759	14	1-4
816.13	0.0	218	10	1-4
817.1	0.0	161	1	1-4
818.0	0.0	43	0	1-4
818.1	0.0	8	0	1-4
820.11	0.0	32	6	1-4
820.12	0.0	79	14	1-4
823.11	0.0	21	1	1-4
823.30	0.7	153	12	1-4
823.81	0.4	513	41	1-4
823.91	0.0	21	1	1-4
824.1	0.8	251	10	1-4
824.3	0.5	182	7	1-4
824.7	0.8	717	31	1-4
824.9	0.6	716	40	1-4
825.1	0.8	128	7	1-4
825.20	0.0	132	5	1-4
825.21	0.3	299	8	1-4
825.22	0.0	109	4	1-4
825.24	0.0	44	2	1-4
825.30	0.0	25	1	1-4
825.32	0.0	11	0	1-4
825.33	0.0	4	0	1-4
825.34	0.0	7	0	1-4
825.35	0.4	235	12	1-4
826.0	0.0	259	18	1-4
826.1	0.2	597	29	1-4
827.1	0.0	32	1	1-4
829.1	0.0	5	0	1-4
831.09	0.0	49	8	1-4
831.10	0.0	5	0	1-4
831.11	0.0	6	0	1-4
831.12	0.0	1	0	1-4
831.14	0.0	4	0	1-4
832.01	0.0	25	0	1-4
832.02	0.5	185	11	1-4
832.03	0.0	15	0	1-4
832.04	0.0	21	0	1-4
832.10	0.0	25	3	1-4
832.11	0.0	3	0	1-4
832.12	0.0	17	0	1-4
832.13	0.0	5	0	1-4
832.14	0.0	3	0	1-4
832.19	0.0	4	0	1-4
833.00	0.0	86	3	1-4
833.01	0.0	21	1	1-4
833.02	0.0	10	0	1-4
833.03	0.0	3	0	1-4
833.04	0.0	13	0	1-4
833.05	0.0	8	0	1-4
833.09	0.0	38	0	1-4
833.10	0.0	6	1	1-4
833.11	0.0	2	0	1-4
833.12	0.0	2	1	1-4
833.14	0.0	1	0	1-4
833.15	0.0	1	0	1-4
834.00	0.0	49	1	1-4
834.01	0.0	120	3	1-4
834.10	0.0	48	4	1-4
834.11	0.0	48	3	1-4
834.12	0.0	185	10	1-4
835.02	0.0	10	0	1-4
835.10	0.0	1	0	1-4
836.1	0.1	836	16	1-4
836.2	0.0	302	6	1-4
836.3	0.1	839	16	1-4
836.4	0.0	1	1	1-4
836.51	0.0	19	0	1-4
836.53	0.0	22	1	1-4
836.54	0.0	27	1	1-4
836.59	0.0	6	0	1-4
836.60	0.0	6	1	1-4
836.61	0.0	2	0	1-4
836.62	0.0	1	0	1-4
836.69	0.0	3	0	1-4
837.0	0.0	189	5	1-4
838.00	0.0	34	0	1-4
838.01	0.0	16	1	1-4
838.02	0.0	11	0	1-4
838.05	0.0	151	2	1-4
838.06	0.0	10	0	1-4
838.09	0.0	70	3	1-4
838.10	0.0	3	0	1-4
838.11	0.0	2	0	1-4
838.12	0.0	2	0	1-4
838.13	0.0	1	0	1-4
838.14	0.0	1	0	1-4
838.16	0.0	16	1	1-4
838.19	0.0	17	1	1-4
839.10	0.0	1	0	1-4
839.11	0.0	1	0	1-4
839.14	0.0	1	0	1-4
839.21	0.0	18	3	1-4
839.30	0.0	1	0	1-4
839.40	0.0	4	0	1-4
839.41	0.0	12	2	1-4
839.42	0.0	37	3	1-4
839.61	0.0	70	4	1-4
839.69	0.5	213	16	1-4
839.8	0.0	5	2	1-4
839.9	0.0	1	0	1-4
840.0	0.0	407	3	1-4
840.1	0.0	13	0	1-4
840.2	0.0	5	0	1-4
840.3	0.0	8	0	1-4
840.5	0.0	13	0	1-4
840.6	0.0	60	1	1-4
840.8	0.0	574	12	1-4
840.9	0.4	261	19	1-4
841.0	0.0	1	0	1-4
841.1	0.0	14	0	1-4
841.8	0.0	68	4	1-4
842.00	0.0	57	2	1-4
842.01	0.0	7	1	1-4
842.02	0.0	2	0	1-4
842.09	0.0	16	1	1-4
842.10	0.0	100	3	1-4
842.11	0.0	3	0	1-4
842.12	0.0	35	0	1-4
842.13	0.0	36	0	1-4
842.19	0.0	25	0	1-4
843.1	0.0	22	3	1-4
844.1	0.5	421	21	1-4
844.2	0.0	199	6	1-4
844.3	0.0	7	1	1-4
845.00	0.4	817	60	1-4
845.02	0.0	5	1	1-4
845.03	0.0	35	0	1-4
845.10	0.0	94	4	1-4
845.11	0.0	4	0	1-4
845.12	0.0	8	1	1-4
845.13	0.0	2	0	1-4
846.1	0.0	102	5	1-4
846.2	0.0	12	1	1-4
846.3	0.0	1	1	1-4
847.4	0.0	8	0	1-4
848.0	0.0	2	0	1-4
848.1	0.0	11	0	1-4
848.40	0.0	23	0	1-4
848.41	0.0	9	1	1-4
848.42	0.0	37	3	1-4
848.49	0.0	16	0	1-4
848.9	0.0	74	6	1-4
850.12	0.0	1	1	1-4
851.04	0.0	18	7	1-4
851.11	0.0	5	1	1-4
851.12	0.0	4	0	1-4
851.13	.	1	1	1-4
851.15	.	2	2	1-4
851.16	0.0	2	1	1-4
851.22	0.0	5	3	1-4
851.23	0.0	1	1	1-4
851.25	.	7	7	1-4
851.29	0.0	3	1	1-4
851.32	0.0	1	0	1-4
851.34	.	1	1	1-4
851.43	0.0	8	4	1-4
851.52	0.0	6	1	1-4
851.54	0.0	1	0	1-4
851.59	0.0	4	0	1-4
851.62	0.0	1	1	1-4
851.63	0.0	1	0	1-4
851.65	.	1	1	1-4
851.69	0.0	1	0	1-4
851.71	0.0	1	0	1-4
851.72	0.0	2	1	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
851.74	0.0	1	1	1-4
851.76	.	4	4	1-4
852.33	.	3	3	1-4
852.34	0.0	3	0	1-4
852.39	0.0	5	4	1-4
852.43	0.0	2	1	1-4
852.44	0.0	6	1	1-4
852.49	0.0	3	2	1-4
852.51	0.0	3	0	1-4
852.52	.	1	1	1-4
852.54	.	1	1	1-4
852.56	0.0	3	1	1-4
853.13	.	2	2	1-4
853.14	0.0	1	0	1-4
854.12	0.0	23	5	1-4
854.14	0.0	2	1	1-4
854.19	0.0	15	3	1-4
862.31	.	1	1	1-4
863.43	0.0	10	3	1-4
863.85	0.0	1	0	1-4
863.93	0.0	10	3	1-4
866.10	0.0	7	1	1-4
866.11	0.0	6	0	1-4
867.3	0.0	3	0	1-4
867.4	0.0	24	6	1-4
867.5	0.0	4	0	1-4
867.7	0.0	6	2	1-4
867.9	0.0	1	0	1-4
870.1	0.0	62	1	1-4
870.2	0.9	113	13	1-4
871.0	0.9	665	55	1-4
871.4	0.0	140	8	1-4
871.5	0.0	47	3	1-4
871.6	0.0	71	1	1-4
872.02	0.0	11	1	1-4
872.10	0.0	42	3	1-4
872.12	0.0	6	0	1-4
872.61	0.0	23	0	1-4
872.69	0.0	11	0	1-4
872.71	0.0	7	0	1-4
872.8	0.0	51	5	1-4
873.21	0.0	20	2	1-4
873.22	0.0	12	2	1-4
873.23	0.0	5	1	1-4
873.29	0.0	10	1	1-4
873.30	0.0	28	0	1-4
873.32	0.0	5	0	1-4
873.33	0.0	2	0	1-4
873.39	0.0	6	0	1-4
873.41	0.0	127	12	1-4
873.44	0.7	143	14	1-4
873.50	0.0	53	6	1-4
873.51	0.0	33	0	1-4
873.54	0.0	31	3	1-4
873.60	0.0	20	0	1-4
873.62	0.0	11	1	1-4
873.70	0.0	7	0	1-4
873.71	0.0	14	2	1-4
873.72	0.0	2	0	1-4
873.73	0.0	10	0	1-4
873.79	0.0	8	3	1-4
874.00	0.0	26	1	1-4
874.10	0.0	37	1	1-4
874.11	0.0	6	2	1-4
874.12	0.0	5	0	1-4
874.2	0.0	15	1	1-4
874.3	0.0	2	0	1-4
876.0	0.0	127	3	1-4
876.1	0.0	56	3	1-4
877.0	0.0	67	4	1-4
878.0	0.0	66	7	1-4
878.1	0.0	26	10	1-4
878.4	0.0	7	0	1-4
878.5	0.0	1	1	1-4
878.6	0.0	200	9	1-4
878.7	0.0	17	2	1-4
878.8	0.0	4	0	1-4
878.9	0.0	10	3	1-4
879.0	0.0	19	0	1-4
879.6	0.0	59	6	1-4
879.7	0.0	27	3	1-4
880.01	0.0	19	2	1-4
880.02	0.0	47	4	1-4
880.03	0.0	88	8	1-4
880.09	0.0	9	0	1-4
880.11	0.0	7	0	1-4
880.12	0.0	14	1	1-4
880.19	0.0	3	1	1-4
880.20	0.0	12	0	1-4
880.21	0.0	11	1	1-4
880.22	0.0	2	0	1-4
880.23	0.0	12	0	1-4
880.29	0.0	3	0	1-4
881.01	0.8	130	12	1-4
881.11	0.5	197	20	1-4
881.12	0.5	182	6	1-4
881.20	0.4	271	7	1-4
881.21	0.0	34	3	1-4
882.0	0.8	600	40	1-4
882.2	0.2	477	13	1-4
883.0	0.0	395	7	1-4
885.0	0.6	537	19	1-4
885.1	0.0	83	1	1-4
886.1	0.9	221	12	1-4
887.1	0.0	21	4	1-4
887.3	0.0	4	1	1-4
887.5	0.0	6	0	1-4
887.6	0.0	2	0	1-4
887.7	0.0	3	0	1-4
891.2	0.8	265	8	1-4
892.0	0.4	265	9	1-4
892.2	0.0	134	2	1-4
893.0	0.0	92	7	1-4
893.1	0.0	407	31	1-4
893.2	0.0	30	1	1-4
894.0	0.0	72	4	1-4
894.1	0.0	119	22	1-4
894.2	0.0	12	1	1-4
895.0	0.0	418	8	1-4
896.0	0.0	41	1	1-4
896.1	0.0	13	2	1-4
896.3	0.0	2	0	1-4
897.2	0.0	12	1	1-4
897.3	0.0	6	1	1-4
897.5	0.0	1	0	1-4
900.00	.	2	2	1-4
900.02	0.0	8	0	1-4
900.81	0.0	35	2	1-4
901.2	0.0	1	1	1-4
901.3	0.0	4	1	1-4
901.40	0.0	2	1	1-4
901.9	0.0	2	1	1-4
902.11	.	1	1	1-4
902.19	.	1	1	1-4
902.22	0.0	2	0	1-4
902.24	.	1	1	1-4
902.26	0.0	3	0	1-4
902.27	0.0	2	0	1-4
902.29	0.0	2	0	1-4
902.33	0.0	2	1	1-4
902.40	0.0	1	0	1-4
902.41	0.0	1	1	1-4
902.50	0.0	1	0	1-4
902.51	0.0	1	0	1-4
902.52	0.0	1	0	1-4
902.59	0.0	2	0	1-4
902.82	0.0	1	0	1-4
902.9	0.0	6	1	1-4
903.02	0.0	8	2	1-4
903.5	0.0	26	0	1-4
903.8	0.0	29	0	1-4
904.3	0.0	18	1	1-4
904.40	0.0	4	0	1-4
904.42	0.0	7	0	1-4
904.50	0.0	6	0	1-4
904.51	0.0	10	0	1-4
904.52	0.0	3	0	1-4
904.53	0.0	11	1	1-4
904.54	0.0	3	0	1-4
904.6	0.0	1	0	1-4
904.7	0.0	49	6	1-4
905.0	0.0	11	1	1-4
905.1	0.0	50	5	1-4
905.2	0.0	65	3	1-4
905.3	0.0	87	11	1-4
905.4	0.0	83	5	1-4
905.5	0.0	5	0	1-4
905.6	0.0	6	0	1-4
905.7	0.0	6	0	1-4
905.8	0.0	8	0	1-4
906.0	0.0	14	2	1-4
906.2	0.0	3	0	1-4
906.3	0.0	22	2	1-4
906.4	0.0	6	0	1-4
906.5	0.0	7	0	1-4
906.6	0.0	5	1	1-4
906.7	0.0	31	2	1-4
906.8	0.0	14	1	1-4
906.9	0.0	2	0	1-4
907.1	0.0	1	0	1-4
907.2	0.0	23	1	1-4
907.5	0.0	6	0	1-4
907.9	0.0	3	0	1-4
908.0	0.0	7	0	1-4
908.1	0.0	3	0	1-4
908.2	0.0	1	0	1-4
908.3	0.0	16	0	1-4
908.4	0.0	1	0	1-4
908.6	0.0	10	0	1-4
908.9	0.0	10	0	1-4
909.0	0.0	8	4	1-4
909.1	0.0	2	0	1-4
909.4	0.0	2	1	1-4
909.9	0.0	1	0	1-4
910.1	0.0	21	1	1-4
910.2	0.0	2	0	1-4
910.3	0.0	1	0	1-4
910.4	0.0	9	1	1-4
910.5	0.0	28	0	1-4
910.6	0.0	5	0	1-4
910.9	0.0	11	0	1-4
911.2	0.0	2	0	1-4
911.4	0.0	2	1	1-4
911.5	0.0	17	1	1-4
911.7	0.0	1	0	1-4
911.8	0.0	79	4	1-4
911.9	0.0	7	2	1-4
912.0	0.0	19	5	1-4
912.1	0.0	11	3	1-4
912.3	0.0	1	0	1-4
912.4	0.0	2	1	1-4
912.5	0.0	8	0	1-4
912.6	0.0	1	0	1-4
912.7	0.0	3	0	1-4
912.8	0.0	5	0	1-4
912.9	0.0	2	0	1-4
913.0	0.0	68	12	1-4
913.2	0.0	2	0	1-4
913.4	0.0	10	0	1-4
913.5	0.0	37	2	1-4
913.6	0.0	5	0	1-4
913.7	0.0	2	0	1-4
913.8	0.0	9	1	1-4
913.9	0.0	20	1	1-4
914.0	0.0	13	0	1-4
914.2	0.0	1	0	1-4
914.3	0.0	2	0	1-4
914.4	0.0	1	0	1-4
914.5	0.0	36	1	1-4
914.6	0.0	2	0	1-4
914.7	0.0	25	1	1-4
914.8	0.0	5	1	1-4
914.9	0.0	25	0	1-4
915.1	0.0	10	0	1-4
915.3	0.0	3	0	1-4
915.4	0.0	2	0	1-4
915.5	0.0	18	0	1-4
915.6	0.0	3	0	1-4
915.7	0.0	29	1	1-4
915.8	0.0	1	1	1-4
915.9	0.0	14	0	1-4
916.1	0.2	415	46	1-4
916.2	0.0	9	1	1-4
916.4	0.0	18	0	1-4
916.5	0.0	140	3	1-4
916.6	0.0	4	1	1-4
916.7	0.0	14	1	1-4
916.9	0.0	85	5	1-4
917.0	0.0	15	2	1-4
917.3	0.0	65	8	1-4
917.4	0.0	6	1	1-4
917.6	0.0	32	1	1-4
917.7	0.0	91	2	1-4
917.8	0.0	1	0	1-4
917.9	0.0	31	1	1-4
918.0	0.0	15	1	1-4
918.2	0.0	5	0	1-4
919.1	0.0	24	5	1-4
919.2	0.0	2	0	1-4
919.4	0.0	12	1	1-4
919.6	0.0	7	0	1-4
919.7	0.0	2	1	1-4
919.9	0.0	4	0	1-4
921.0	0.0	24	4	1-4
921.3	0.2	465	18	1-4
921.9	0.0	35	3	1-4
922.0	0.0	87	7	1-4
922.4	0.6	160	15	1-4
922.9	0.0	38	3	1-4
923.00	0.8	524	69	1-4
923.03	0.7	139	23	1-4
923.3	0.0	7	0	1-4
924.20	0.6	165	23	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

ICD-9 CODE	OTHER				ICD-9 CODE	OTHER				ICD-9 CODE	OTHER			
	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA		MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA		MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
924.21	0.0	69	6	1-4	943.05	0.0	8	1	1-4	948.42	0.0	1	1	1-4
924.3	0.0	37	4	1-4	943.09	0.0	4	0	1-4	948.43	.	3	3	1-4
924.9	0.7	147	17	1-4	943.10	0.0	9	0	1-4	948.53	.	2	2	1-4
925	0.0	8	0	1-4	943.11	0.0	2	0	1-4	948.60	.	3	3	1-4
926.0	0.0	2	0	1-4	943.12	0.0	1	1	1-4	948.63	0.0	1	0	1-4
926.11	0.0	5	0	1-4	943.13	0.0	3	1	1-4	948.64	.	1	1	1-4
926.12	0.0	1	0	1-4	943.14	0.0	1	0	1-4	948.65	.	2	2	1-4
926.8	0.0	2	0	1-4	943.20	0.9	111	11	1-4	948.70	.	2	2	1-4
926.9	0.0	3	0	1-4	943.22	0.0	9	2	1-4	948.71	.	1	1	1-4
927.01	0.0	1	0	1-4	943.24	0.0	5	0	1-4	948.73	.	2	2	1-4
927.03	0.0	7	0	1-4	943.26	0.0	2	0	1-4	948.76	.	2	2	1-4
927.09	0.0	1	0	1-4	943.31	0.6	152	12	1-4	948.77	.	8	8	1-4
927.10	0.0	46	1	1-4	943.34	0.0	13	3	1-4	948.80	.	1	1	1-4
927.11	0.0	2	0	1-4	943.40	0.0	7	1	1-4	948.83	.	2	2	1-4
927.20	0.0	131	2	1-4	943.41	0.0	12	0	1-4	948.85	.	1	1	1-4
927.21	0.0	5	1	1-4	943.44	0.0	1	0	1-4	948.86	.	1	1	1-4
927.3	0.0	139	5	1-4	943.45	0.0	6	1	1-4	948.87	.	1	1	1-4
927.8	0.0	6	0	1-4	943.49	0.0	10	1	1-4	948.90	0.0	1	0	1-4
927.9	0.0	3	0	1-4	943.51	0.0	1	1	1-4	948.91	0.0	1	0	1-4
928.01	0.0	3	1	1-4	943.52	0.0	1	1	1-4	948.97	.	1	1	1-4
928.11	0.0	27	1	1-4	943.54	0.0	1	0	1-4	948.98	.	1	1	1-4
928.21	0.0	7	0	1-4	943.56	0.0	1	0	1-4	948.99	.	12	12	1-4
928.3	0.0	28	0	1-4	943.59	0.0	2	0	1-4	949.0	0.0	12	3	1-4
928.9	0.0	13	1	1-4	944.00	0.0	24	1	1-4	949.1	0.0	3	0	1-4
929.9	0.0	1	0	1-4	944.01	0.0	9	0	1-4	950.0	0.0	14	0	1-4
930.0	0.0	6	0	1-4	944.02	0.0	1	0	1-4	950.1	0.0	2	1	1-4
930.1	0.0	1	1	1-4	944.03	0.0	5	0	1-4	950.3	0.0	2	0	1-4
930.8	0.0	2	1	1-4	944.06	0.0	14	2	1-4	950.9	0.0	4	1	1-4
930.9	0.0	2	0	1-4	944.07	0.0	1	0	1-4	951.0	0.0	5	1	1-4
931	0.0	12	1	1-4	944.08	0.0	6	1	1-4	951.1	0.0	3	0	1-4
932	0.0	15	2	1-4	944.10	0.0	11	0	1-4	951.3	0.0	2	0	1-4
935.2	0.5	753	84	1-4	944.11	0.0	4	0	1-4	951.4	0.0	29	3	1-4
937	0.9	221	11	1-4	944.12	0.0	1	0	1-4	951.5	0.0	4	0	1-4
939.0	0.0	224	19	1-4	944.13	0.0	1	0	1-4	951.6	0.0	2	0	1-4
939.1	0.0	6	1	1-4	944.15	0.0	1	0	1-4	951.8	0.0	2	0	1-4
939.3	0.0	11	1	1-4	944.16	0.0	1	0	1-4	951.9	0.0	1	0	1-4
939.9	0.0	3	1	1-4	944.18	0.0	5	0	1-4	952.11	0.0	4	1	1-4
940.0	0.0	3	0	1-4	944.20	0.0	208	12	1-4	952.12	0.0	1	0	1-4
940.1	0.0	5	0	1-4	944.21	0.0	29	2	1-4	952.14	0.0	4	0	1-4
940.2	0.0	14	1	1-4	944.23	0.0	22	0	1-4	952.15	0.0	37	7	1-4
940.3	0.0	11	0	1-4	944.24	0.0	17	1	1-4	952.16	0.0	4	0	1-4
940.4	0.0	10	0	1-4	944.25	0.0	23	2	1-4	952.17	0.0	2	0	1-4
940.5	0.0	2	0	1-4	944.27	0.0	5	1	1-4	952.18	0.0	1	0	1-4
940.9	0.0	8	0	1-4	944.31	0.0	25	1	1-4	952.3	0.0	10	3	1-4
941.00	0.0	13	0	1-4	944.32	0.0	7	0	1-4	952.4	0.0	10	1	1-4
941.01	0.0	2	0	1-4	944.34	0.0	14	0	1-4	953.0	0.0	40	4	1-4
941.03	0.0	4	1	1-4	944.35	0.0	20	1	1-4	953.1	0.0	5	0	1-4
941.04	0.0	1	0	1-4	944.41	0.0	6	1	1-4	953.3	0.0	6	1	1-4
941.05	0.0	3	1	1-4	944.42	0.0	1	0	1-4	953.8	0.0	6	0	1-4
941.06	0.0	1	0	1-4	944.43	0.0	7	1	1-4	953.9	0.0	12	3	1-4
941.07	0.0	1	0	1-4	944.44	0.0	3	0	1-4	954.0	0.0	5	0	1-4
941.08	0.0	1	0	1-4	944.46	0.0	6	0	1-4	954.1	0.0	2	0	1-4
941.12	0.0	2	0	1-4	944.48	0.0	12	4	1-4	954.8	0.0	4	0	1-4
941.13	0.0	2	0	1-4	944.50	0.0	1	0	1-4	955.0	0.0	14	0	1-4
941.15	0.0	4	0	1-4	944.53	0.0	2	0	1-4	955.1	0.0	100	5	1-4
941.16	0.0	1	0	1-4	944.54	0.0	1	1	1-4	955.4	0.0	2	0	1-4
941.17	0.0	10	2	1-4	944.58	0.0	5	1	1-4	955.5	0.0	3	0	1-4
941.18	0.0	2	0	1-4	945.00	0.0	29	2	1-4	955.6	0.0	136	3	1-4
941.21	0.0	8	1	1-4	945.01	0.0	6	0	1-4	955.7	0.0	12	2	1-4
941.25	0.0	10	1	1-4	945.03	0.0	9	2	1-4	955.8	0.0	4	0	1-4
941.26	0.0	35	4	1-4	945.04	0.0	33	5	1-4	955.9	0.0	23	2	1-4
941.33	0.0	3	1	1-4	945.05	0.0	3	0	1-4	956.1	0.0	19	2	1-4
941.35	0.0	2	0	1-4	945.06	0.0	18	0	1-4	956.3	0.0	38	2	1-4
941.36	0.0	19	3	1-4	945.10	0.0	20	2	1-4	956.4	0.0	2	0	1-4
941.41	0.0	2	0	1-4	945.11	0.0	2	1	1-4	956.5	0.0	14	0	1-4
941.42	0.0	1	0	1-4	945.12	0.0	26	2	1-4	956.9	0.0	15	1	1-4
941.45	.	1	1	1-4	945.15	0.0	2	0	1-4	957.0	0.0	9	0	1-4
941.46	0.0	3	1	1-4	945.16	0.0	13	4	1-4	957.1	0.0	30	0	1-4
941.48	0.0	3	0	1-4	945.19	0.0	5	0	1-4	958.0	0.0	18	3	1-4
941.50	0.0	1	0	1-4	945.21	0.0	39	3	1-4	958.6	0.0	24	0	1-4
941.51	0.0	1	1	1-4	945.22	0.6	715	66	1-4	959.5	0.0	35	1	1-4
941.59	0.0	1	0	1-4	945.23	0.0	50	4	1-4	960.0	0.0	75	4	1-4
942.00	0.0	6	0	1-4	945.25	0.0	22	2	1-4	960.1	0.0	10	1	1-4
942.01	0.0	9	1	1-4	945.26	0.9	337	30	1-4	960.2	0.0	1	0	1-4
942.02	0.0	7	0	1-4	945.35	0.0	47	4	1-4	960.3	0.0	36	1	1-4
942.03	0.0	8	3	1-4	945.40	0.0	21	3	1-4	960.6	0.0	7	1	1-4
942.04	0.0	17	2	1-4	945.41	0.0	9	1	1-4	960.9	0.0	34	5	1-4
942.05	0.0	10	4	1-4	945.43	0.0	10	2	1-4	961.1	0.0	2	0	1-4
942.11	0.0	3	0	1-4	945.45	0.0	9	1	1-4	961.2	0.0	1	0	1-4
942.12	0.0	6	0	1-4	945.46	0.0	24	3	1-4	961.3	0.0	3	0	1-4
942.13	0.0	7	1	1-4	945.50	0.0	2	1	1-4	961.6	0.0	2	0	1-4
942.15	0.0	7	1	1-4	945.51	0.0	1	0	1-4	961.7	0.0	12	1	1-4
942.25	0.0	68	9	1-4	945.52	0.0	4	1	1-4	961.8	0.0	18	2	1-4
942.41	0.0	4	1	1-4	945.59	0.0	5	0	1-4	961.9	0.0	36	2	1-4
942.43	0.0	9	1	1-4	946.1	0.0	65	8	1-4	962.1	0.0	3	1	1-4
942.45	0.0	2	0	1-4	947.4	0.0	1	0	1-4	962.4	0.0	4	0	1-4
942.50	0.0	1	0	1-4	947.8	0.0	10	2	1-4	962.6	0.0	1	0	1-4
942.54	.	1	1	1-4	947.9	0.0	5	0	1-4	962.7	0.0	83	7	1-4
942.59	0.0	1	1	1-4	948.00	0.0	94	5	1-4	962.9	0.0	6	2	1-4
943.01	0.0	5	1	1-4	948.30	0.0	7	3	1-4	963.2	0.0	6	0	1-4
943.03	0.0	2	0	1-4	948.40	.	2	2	1-4	963.4	0.0	1	1	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 1

		OTHER		
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
963.8	0.0	3	1	1-4
963.9	0.0	1	0	1-4
964.0	0.0	24	3	1-4
964.1	0.0	5	1	1-4
964.3	0.0	8	1	1-4
964.6	0.0	2	1	1-4
964.8	0.0	2	0	1-4
964.9	0.0	4	1	1-4
965.5	0.0	6	1	1-4
966.0	0.0	5	1	1-4
966.2	0.0	6	1	1-4
966.3	0.7	888	45	1-4
966.4	0.8	260	15	1-4
967.2	0.0	4	2	1-4
967.3	0.0	5	0	1-4
967.4	0.0	10	0	1-4
967.6	0.0	13	3	1-4
968.1	0.0	3	0	1-4
968.2	0.0	3	0	1-4
968.3	0.0	17	3	1-4
968.4	0.0	18	0	1-4
968.6	0.0	2	0	1-4
968.7	0.0	3	1	1-4
968.9	0.0	8	0	1-4
969.6	0.0	25	1	1-4
970.0	0.0	6	0	1-4
971.1	0.7	416	17	1-4
971.9	0.0	3	0	1-4
972.2	0.0	37	1	1-4
972.3	0.0	4	0	1-4
972.7	0.0	3	0	1-4
972.8	0.0	2	0	1-4
973.1	0.0	18	6	1-4
973.2	0.0	5	1	1-4
973.4	0.0	6	1	1-4
973.5	0.0	34	4	1-4
973.6	0.0	1	0	1-4
973.9	0.0	2	1	1-4
974.0	0.0	4	3	1-4
974.2	0.0	19	2	1-4
974.3	0.0	109	8	1-4
974.6	0.0	1	0	1-4
975.0	0.0	2	0	1-4
975.1	0.0	26	3	1-4
975.2	0.0	39	2	1-4
975.5	0.0	17	2	1-4
975.6	0.0	8	1	1-4
975.8	0.0	19	3	1-4
976.1	0.0	22	0	1-4
976.2	0.0	8	1	1-4
976.5	0.0	11	1	1-4
976.7	0.0	3	1	1-4
976.8	0.0	7	3	1-4
976.9	0.0	8	0	1-4
977.0	0.0	9	0	1-4
977.1	0.0	15	0	1-4
977.2	0.0	6	1	1-4
977.3	0.0	46	3	1-4
977.4	0.0	39	8	1-4
978.0	0.0	3	1	1-4
978.8	0.0	2	0	1-4
978.9	0.0	10	1	1-4
979.2	0.0	1	0	1-4
979.4	0.0	1	1	1-4
979.6	0.0	4	0	1-4
979.9	0.0	5	0	1-4
980.3	0.0	2	1	1-4
982.0	0.0	25	4	1-4
982.1	0.0	4	1	1-4
982.2	0.0	3	0	1-4
982.3	0.0	11	2	1-4
982.4	0.0	5	1	1-4
984.0	0.0	10	1	1-4
984.1	0.0	6	1	1-4
984.8	0.0	14	1	1-4
985.0	0.0	8	0	1-4
985.1	0.0	23	2	1-4
985.3	0.0	4	0	1-4
985.4	0.0	2	1	1-4
985.6	0.0	1	0	1-4
985.9	0.0	5	0	1-4
987.2	0.0	3	2	1-4
987.3	0.0	2	0	1-4
987.4	0.0	6	0	1-4
987.5	0.0	3	1	1-4
987.6	0.0	83	1	1-4
988.0	0.0	100	3	1-4
988.2	0.0	31	2	1-4
988.8	0.0	38	4	1-4
988.9	0.0	10	0	1-4
989.1	0.0	6	1	1-4
989.2	0.0	20	0	1-4
989.7	0.0	4	0	1-4
991.5	0.0	4	2	1-4
992.1	0.5	374	25	1-4
992.2	0.0	6	0	1-4
992.6	0.0	13	2	1-4
993.0	0.0	7	1	1-4
993.2	0.9	117	9	1-4
993.3	0.0	5	0	1-4
993.4	0.0	6	1	1-4
993.9	0.0	1	0	1-4
994.0	0.0	27	0	1-4
994.3	0.0	2	1	1-4
994.4	0.0	15	3	1-4
994.5	0.0	27	3	1-4
994.6	0.0	17	0	1-4
994.9	0.0	63	12	1-4
995.3	0.6	786	45	1-4
996.32	0.0	17	2	1-4
996.5 (88)	0.0	5	1	1-4
996.52(88)	0.9	224	26	1-4
996.54(88)	0.0	82	2	1-4
996.54(89)	0.0	81	0	1-4
996.54(90)	0.0	99	2	1-4
996.75(90)	0.8	119	11	1-4
996.80(88)	0.0	40	2	1-4
996.80(89)	0.0	8	0	1-4
996.80(90)	0.0	9	0	1-4
996.82(90)	0.0	68	9	1-4
996.84(89)	0.0	6	2	1-4
996.84(90)	0.0	12	6	1-4
996.86(88)	0.0	34	4	1-4
996.86(89)	0.0	36	2	1-4
996.86(90)	0.0	57	7	1-4
996.89(88)	0.0	117	8	1-4
996.89(89)	0.0	71	3	1-4
996.89(90)	0.0	63	3	1-4
996.91	0.0	7	0	1-4
996.92	0.0	1	0	1-4
996.93	0.0	11	0	1-4
996.94	0.0	2	0	1-4
996.95	0.0	3	1	1-4
996.96	0.0	5	0	1-4
996.99	0.0	7	1	1-4
998.4	0.6	319	26	1-4
999.0	0.0	4	1	1-4
999.7	0.0	3	1	1-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 2

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
V55.2	1.7	0.598	0.867	2-1
V56.8 (88)	1.7	0.602	1.778	2-3
V56.8 (89)	1.3	6.656	0.867	2-2
V56.8 (90)	1.0	3E+12	0.831	2-2
V57.1	1.1	1.113	0.957	2-2
V57.89	1.1	1.209	0.961	2-2
V71.4	1.2	0.918	1.042	2-3
V71.8	1.1	0.689	1.052	2-3
003.0	1.3	0.931	0.530	2-2
009.1	1.6	0.904	0.871	2-1
009.2	1.3	1.030	0.879	2-2
047.9	1.9	1.776	1.093	2-4
053.19	1.5	1.276	1.096	2-4
053.9	1.5	1.142	1.025	2-3
079.9	1.1	0.644	0.792	2-1
172.6	1.6	1.075	1.185	2-3
172.7	1.9	1.151	1.259	2-3
173.2	1.7	1.559	1.363	2-4
173.3	1.2	0.550	1.269	2-3
173.6	1.9	1.362	1.220	2-4
174.6	1.1	0.320	1.272	2-3
174.8	1.8	0.356	1.036	2-3
182.0	1.9	0.923	1.565	2-3
188.0	1.8	0.437	2.334	2-3
188.1	1.4	0.614	1.750	2-3
188.2	1.0	0.746	1.552	2-3
188.3	1.2	0.787	2.169	2-3
188.4	1.2	1.220	1.442	2-4
188.5	1.4	3.694	1.511	2-4
211.1	1.1	1.510	0.726	2-2
212.3	1.3	1.045	2.104	2-3
225.1	1.7	3.541	0.681	2-2
225.4	1.5	2.696	0.694	2-2
230.3	1.4	1.437	0.704	2-2
230.4	1.5	0.763	0.833	2-1
235.2	1.3	1.467	0.779	2-2
236.2	1.2	0.838	0.753	2-1
236.7	1.2	0.595	1.149	2-3
240.9	1.3	1.417	0.618	2-2
242.90	1.9	1.707	0.966	2-2
250.00(88)	1.3	0.585	1.350	2-3
250.00(89)	1.1	1.693	1.075	2-4
250.00(90)	1.4	1.872	0.565	2-2
250.01(88)	1.5	1.344	1.252	2-4
250.01(89)	1.7	0.943	1.435	2-3
250.01(90)	1.0	1.442	1.166	2-4
250.60(88)	1.1	1.534	1.358	2-4
250.60(90)	1.2	1.196	1.519	2-4
250.61(88)	1.4	1.167	1.739	2-4
250.61(89)	1.5	3.453	1.349	2-4
250.61(90)	1.3	2.806	1.163	2-4
250.80(88)	1.9	2.150	1.467	2-4
250.81(88)	1.9	3.089	1.421	2-4
250.81(89)	1.8	2.189	1.760	2-4
250.91(88)	1.8	1.107	1.418	2-3
250.91(89)	1.6	1.223	1.325	2-4
250.91(90)	1.7	1.178	1.267	2-4
252.0	1.0	1.448	0.957	2-2
274.0	1.0	0.707	1.095	2-3
274.9	1.7	0.963	1.156	2-3
280.8	1.5	1.060	1.353	2-3
280.9	1.6	1.199	1.343	2-4
281.0	1.7	0.969	0.952	2-2
281.1	1.0	2.280	0.906	2-2
282.62	1.4	2.697	3.814	2-4
290.12	1.3	2.318	2.131	2-4
291.8	1.2	0.980	1.164	2-3
292.0	1.2	0.951	1.197	2-3
292.12	1.8	1.504	1.118	2-4
293.83	1.3	1.549	1.449	2-4
296.23	1.2	1.337	1.153	2-4
298.8	1.6	1.463	1.549	2-4
331.3	1.5	2.789	1.530	2-4
334.3	1.3	0.716	1.628	2-3
337.9	1.1	0.482	1.391	2-3
344.61	1.1	1.763	1.394	2-4
345.40(90)	1.7	1.076	0.822	2-2
345.50(90)	1.8	1.946	1.414	2-4
356.9	1.6	1.999	1.744	2-4
401.0	1.0	0.589	0.963	2-1
402.00	1.5	0.710	0.853	2-1
402.90	1.5	0.688	0.876	2-1
405.91	1.4	1.467	1.172	2-4
411.8 (88)	2.0	0.736	0.967	2-1
411.8 (89)	1.6	0.769	1.008	2-3
411.89(90)	1.7	0.896	0.798	2-1
413.9	0.9	0.556	0.813	2-1
420.91	1.4	0.859	0.819	2-1
426.12	1.6	0.679	0.800	2-1
426.13	1.7	0.729	0.821	2-1
427.0	1.5	0.896	0.873	2-1
427.2	1.3	0.991	0.705	2-2
427.32	1.7	1.042	0.945	2-2
427.61	1.3	0.709	0.842	2-1
427.69	1.6	0.931	0.905	2-1
427.81	1.4	0.764	0.819	2-1
429.4	1.8	0.560	0.747	2-1
433.1	1.1	0.945	0.824	2-2
433.2	1.9	1.663	0.983	2-2
433.3	1.5	1.267	1.009	2-4
435.9	1.0	0.641	1.060	2-3
437.2	1.9	1.011	1.032	2-3
447.1	2.0	2.016	1.104	2-4
451.11	1.5	1.238	1.011	2-4
451.19	1.3	1.233	0.907	2-2
451.2	1.1	0.980	0.865	2-2
451.9	1.8	0.894	1.052	2-3
453.8	1.7	1.303	1.045	2-4
454.1	1.0	0.854	0.919	2-1
454.2	1.2	1.795	1.031	2-4
455.8	1.1	0.889	1.037	2-3
458.0	1.1	0.842	0.956	2-1
459.81	1.7	1.430	1.277	2-4
462	1.5	1.551	1.016	2-4
478.79	1.7	2.415	1.091	2-4
487.8	1.6	0.763	0.737	2-1
493.10	1.5	1.603	0.852	2-2
493.90	1.5	1.088	1.145	2-3
493.91	1.8	1.310	1.219	2-4
530.1	1.3	1.160	0.936	2-2
530.5	1.0	0.785	0.818	2-1
530.6	1.6	2.023	0.789	2-2
531.30	1.2	0.947	1.002	2-2
531.31	1.5	2.112	1.002	2-2
531.70	1.0	1.334	1.075	2-4
531.90	1.0	1.217	0.997	2-2
531.91	1.5	2.056	1.062	2-4
532.30	1.1	1.016	0.843	2-2
532.90	1.2	1.095	0.923	2-2
532.91	1.5	2.187	0.841	2-2
533.90	1.1	1.000	0.988	2-2
535.0	1.9	1.255	1.113	2-4
535.1	1.3	1.167	1.136	2-4
535.3	1.4	1.153	1.083	2-3
535.4	1.6	1.224	1.205	2-4
535.5	1.5	1.106	1.139	2-3
535.6	1.0	1.031	0.945	2-2
536.8	1.6	1.570	1.059	2-4
536.9	1.5	0.562	1.211	2-3
540.1	1.7	1.482	0.548	2-2
550.11	1.7	0.836	0.764	2-1
552.1	1.7	1.187	1.030	2-4
552.29	1.4	0.879	0.902	2-1
555.0	1.4	2.212	0.918	2-2
555.1	1.6	3.211	1.102	2-4
555.9	1.4	2.250	1.193	2-4
558.9	1.8	1.100	1.023	2-3
562.10	1.7	1.227	0.859	2-2
562.11	1.9	1.395	0.827	2-2
564.1	1.9	1.536	0.873	2-2
566	1.7	1.865	0.974	2-2
568.0	1.3	1.211	0.805	2-2
569.1	1.5	1.425	1.186	2-4
574.00	1.5	1.172	0.588	2-2
574.11	1.8	1.744	0.673	2-2
574.20	1.3	0.966	0.915	2-2
574.30	1.8	1.568	0.523	2-2
574.40	1.1	1.242	0.536	2-2
574.50	1.2	0.773	0.637	2-1
575.1	1.7	1.247	0.818	2-2
577.1	1.6	1.547	1.347	2-4
590.80	1.9	1.387	1.179	2-4
592.9	1.0	0.674	0.664	2-1
595.0	1.8	1.320	1.518	2-4
595.82	1.9	0.422	2.235	2-3
595.9	1.9	1.879	1.425	2-4
596.4	1.2	1.579	1.272	2-4
596.8	1.6	0.650	1.193	2-3
604.0	1.0	0.680	1.128	2-3
681.10	1.1	0.948	1.285	2-3
682.0	1.3	0.987	1.060	2-3
682.3	2.0	1.485	1.257	2-4
682.4	1.1	1.011	0.922	2-2
682.6	1.6	1.427	1.080	2-4
682.7	1.7	1.545	1.288	2-4
682.8	1.9	2.792	1.172	2-4
686.9	1.8	2.194	1.121	2-4
693.0	1.5	1.352	1.130	2-4
715.90	1.1	1.185	0.889	2-2
719.06	1.0	0.934	0.859	2-2
720.0	2.0	3.424	1.123	2-4
721.1	1.0	1.598	0.877	2-2
721.2	1.3	0.962	1.077	2-3
729.5	1.1	0.733	0.794	2-1
729.81	1.0	0.606	1.272	2-3
730.07	1.4	1.985	1.233	2-4
730.08	1.7	1.707	1.287	2-4
730.15	1.2	3.439	0.743	2-2
730.25	1.6	4.301	1.532	2-4
730.26	1.7	2.720	0.870	2-2
730.27	1.3	1.697	1.330	2-4
730.28	1.7	2.842	0.915	2-2
731.0	1.3	1.419	1.024	2-4
733.00	1.7	1.445	1.371	2-4
753.1 (88)	1.8	1.854	1.214	2-4
753.1 (89)	1.1	0.179	1.145	2-3
780.2	1.1	0.635	0.847	2-1
781.0	1.3	0.696	1.459	2-3
781.2	0.9	0.759	1.120	2-3
781.3	1.1	1.035	1.040	2-3
781.9	1.6	1.317	1.256	2-4
784.7	1.5	0.752	1.035	2-3
785.0	1.7	0.830	0.888	2-1
785.6	1.5	1.820	1.766	2-4
802.0	1.3	1.127	1.088	2-3
802.4	1.0	1.051	0.900	2-2
805.2	1.6	1.203	1.187	2-4
805.4	1.6	1.110	1.147	2-3
805.6	1.0	0.989	1.011	2-3
805.8	1.3	1.285	1.337	2-4
807.01	1.7	0.942	0.953	2-2
807.2	1.2	0.802	0.697	2-1
810.00	1.8	0.950	1.084	2-3
812.00	1.8	1.173	0.953	2-2
812.01	2.0	1.439	1.013	2-4
812.03	1.1	1.003	0.683	2-2
812.09	1.5	1.047	0.797	2-2
812.40	1.8	1.386	0.837	2-2
812.41	1.8	1.286	1.133	2-4
813.54	1.0	0.753	0.558	2-1
823.02	1.3	1.231	1.019	2-4
823.20	0.9	1.691	0.576	2-2
823.22	1.0	1.049	1.017	2-3
823.80	1.1	0.918	0.809	2-1
823.82	1.2	1.092	1.054	2-3
824.8	0.9	0.855	0.802	2-1
825.25	1.0	0.598	0.876	2-1
831.00	1.1	0.869	0.961	2-1
831.01	1.1	1.081	0.919	2-2
843.9	1.0	0.960	1.026	2-3
850.0	1.2	0.770	0.995	2-1
850.5	1.1	1.140	0.741	2-2
850.9	1.9	1.101	1.090	2-3
873.0	2.0	0.955	1.159	2-3
891.0	1.3	0.992	0.961	2-2
920	1.9	1.282	1.170	2-4
922.1	1.4	0.613	0.887	2-1
922.2	1.8	0.604	1.091	2-3
922.3	1.9	1.160	1.055	2-3
924.00	1.1	0.631	1.006	2-3
924.01	1.7	1.254	1.097	2-4
924.10	1.0	1.320	0.958	2-2
924.8	1.9	1.095	1.198	2-3
958.3	1.0	1.562	0.797	2-2
959.1	1.5	1.027	0.952	2-2
962.3	2.0	1.132	1.400	2-3
966.1	1.0	0.632	1.425	2-3
969.1	1.3	2.074	0.973	2-2
969.8	1.2	1.494	0.638	2-2
977.8	1.8	1.305	1.008	2-4
992.5	1.2	0.766	1.011	2-3
995.0	1.4	0.718	0.626	2-1
996.2	1.2	4.873	0.964	2-2
996.65(90)	1.7	0.279	1.752	2-3
996.66(90)	1.5	2.382	0.836	2-2
996.67(90)	1.4	1.749	0.902	2-2
997.2	1.5	0.702	0.717	2-1
997.5	1.4	0.664	0.690	2-1
998.1	0.9	0.454	0.766	2-1
998.3	1.8	0.997	0.982	2-2
998.5	1.6	1.105	0.868	2-2
OTHER	1.4	1.432	1.128	2-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 2

ICD-9 CODE	OTHER MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	OTHER MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	OTHER MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
V55.0	0.9	314	67	2-4	290.42	1.4	440	87	2-4	448.9	1.6	702	122	2-4
V55.8	1.1	267	48	2-4	290.43	1.2	322	76	2-4	451.81	1.6	309	64	2-4
V57.9	1.2	725	98	2-4	290.8	1.6	64	16	2-4	451.89	1.4	871	127	2-4
V63.2	1.5	67	16	2-4	290.9	1.8	339	73	2-4	455.9	1.5	67	3	2-4
V65.0	1.7	59	9	2-4	291.1	1.9	624	105	2-4	460	1.1	175	27	2-4
V67.6	1.7	121	6	2-4	291.3	1.1	553	48	2-4	463	1.6	571	36	2-4
V71.6	1.4	146	20	2-4	291.9	1.4	138	15	2-4	464.0	1.5	457	34	2-4
002.0	1.0	97	4	2-4	292.89	2.0	352	65	2-4	464.20	1.7	240	26	2-4
003.9	1.1	281	27	2-4	292.9	1.1	622	106	2-4	465.0	1.9	104	15	2-4
004.1	1.8	113	8	2-4	293.82	1.8	330	60	2-4	472.0	1.5	131	6	2-4
004.8	1.9	53	5	2-4	294.8	2.0	808	176	2-4	474.8	1.9	106	7	2-4
004.9	0.9	421	37	2-4	295.20	1.6	322	41	2-4	476.0	1.5	131	5	2-4
008.3	1.6	61	9	2-4	295.35	1.6	61	3	2-4	478.0	1.3	149	7	2-4
008.5	1.2	777	84	2-4	295.44	1.6	127	4	2-4	478.21	1.1	92	7	2-4
008.6	2.0	352	29	2-4	296.04	1.4	68	6	2-4	478.22	1.7	117	7	2-4
009.3	1.9	311	52	2-4	296.13	2.0	49	2	2-4	478.31	1.0	423	105	2-4
011.50	2.0	49	8	2-4	296.80	1.0	819	60	2-4	493.01	1.3	826	66	2-4
012.02	2.0	51	13	2-4	296.89	1.2	83	6	2-4	495.8	1.1	93	13	2-4
052.9	1.5	335	36	2-4	297.8	1.0	104	11	2-4	506.3	1.3	233	24	2-4
053.10	2.0	454	55	2-4	298.0	1.4	351	41	2-4	523.0	1.2	81	14	2-4
053.11	0.9	315	30	2-4	300.15	1.2	81	3	2-4	526.9	1.5	131	7	2-4
053.12	1.7	420	55	2-4	301.6	1.2	82	5	2-4	528.4	1.7	60	3	2-4
053.13	1.8	171	11	2-4	304.60	1.7	119	4	2-4	528.5	1.4	215	21	2-4
053.21	1.1	377	45	2-4	305.91	1.0	203	13	2-4	531.71	1.3	602	61	2-4
053.29	1.5	673	88	2-4	306.0	1.7	117	5	2-4	532.31	1.7	845	82	2-4
053.71	1.5	197	9	2-4	306.2	1.0	494	33	2-4	532.71	1.5	549	56	2-4
057.9	1.6	63	6	2-4	306.8	1.7	115	6	2-4	533.70	1.2	760	57	2-4
079.0	2.0	50	6	2-4	309.1	1.9	361	36	2-4	534.90	1.7	541	57	2-4
079.8	1.0	386	40	2-4	309.89	1.5	66	6	2-4	535.2	1.3	541	77	2-4
083.9	1.4	73	4	2-4	310.0	1.1	92	21	2-4	537.1	1.3	76	6	2-4
094.89	0.9	106	11	2-4	310.8	2.0	354	93	2-4	537.9	1.1	90	14	2-4
097.1	0.9	108	14	2-4	312.00	1.5	66	4	2-4	551.01	2.0	50	7	2-4
140.4	1.5	130	25	2-4	312.8	1.6	126	12	2-4	552.01	1.8	391	41	2-4
141.3	1.1	175	40	2-4	312.9	1.2	169	12	2-4	553.8	1.0	887	42	2-4
141.4	1.9	473	119	2-4	318.0	1.2	80	3	2-4	553.9	1.4	208	15	2-4
144.1	1.3	239	53	2-4	322.2	1.6	187	28	2-4	555.2	1.7	894	80	2-4
154.2	1.9	468	110	2-4	332.1	1.9	579	94	2-4	564.3	1.3	157	24	2-4
160.1	1.3	78	23	2-4	333.6	1.8	224	22	2-4	564.4	1.4	430	54	2-4
161.2	1.8	166	51	2-4	333.7	1.5	67	9	2-4	564.6	1.1	85	8	2-4
172.2	1.8	227	29	2-4	333.83	1.8	108	6	2-4	564.9	1.3	531	55	2-4
172.3	1.9	831	111	2-4	334.2	1.4	287	38	2-4	569.42	1.0	419	58	2-4
180.1	1.5	202	46	2-4	334.8	1.0	103	13	2-4	581.2	1.0	96	19	2-4
184.1	1.8	170	26	2-4	341.8	2.0	250	45	2-4	582.1	1.9	267	28	2-4
184.2	1.4	69	14	2-4	344.3	1.9	365	71	2-4	582.89	1.1	178	37	2-4
187.1	1.4	69	12	2-4	344.60	1.8	670	107	2-4	583.1	1.4	141	16	2-4
187.3	1.8	164	37	2-4	345.01(90)	1.1	93	12	2-4	583.2	1.9	106	13	2-4
187.6	1.5	67	7	2-4	345.2	1.5	195	30	2-4	588.0	1.8	214	47	2-4
189.3	1.9	892	216	2-4	345.51(90)	1.8	273	33	2-4	590.3	1.9	103	19	2-4
202.47	1.1	91	16	2-4	345.8 (88)	1.9	213	24	2-4	593.0	1.6	62	8	2-4
211.2	1.7	516	52	2-4	347	1.0	105	10	2-4	593.82	1.2	81	21	2-4
211.6	1.8	444	62	2-4	348.0	1.5	797	115	2-4	596.2	1.8	281	74	2-4
211.8	1.1	285	19	2-4	350.2	1.2	164	15	2-4	603.1	1.5	135	7	2-4
212.4	1.3	75	11	2-4	351.8	1.1	450	34	2-4	611.9	1.7	58	3	2-4
213.6	1.1	90	4	2-4	352.3	1.0	100	11	2-4	614.2	1.3	373	19	2-4
214.9	1.7	60	2	2-4	352.9	1.4	209	20	2-4	614.4	2.0	604	80	2-4
219.9	1.9	54	3	2-4	353.0	1.3	763	94	2-4	615.0	1.5	260	40	2-4
223.0	1.3	855	41	2-4	353.1	1.1	368	41	2-4	615.9	1.2	404	61	2-4
223.1	1.5	68	6	2-4	353.2	1.3	154	20	2-4	616.10	1.9	643	107	2-4
223.81	1.1	87	4	2-4	353.6	1.6	129	16	2-4	616.4	1.7	521	49	2-4
227.0	1.4	808	59	2-4	354.1	1.1	187	8	2-4	621.8	1.0	415	16	2-4
228.04	1.2	643	68	2-4	354.8	1.4	138	14	2-4	648.23	1.5	67	5	2-4
228.09	1.1	737	44	2-4	355.9	1.9	802	96	2-4	680.5	1.6	62	8	2-4
230.1	2.0	100	37	2-4	357.6	1.2	173	52	2-4	683	1.6	674	86	2-4
231.0	1.5	205	19	2-4	360.42	1.3	309	26	2-4	686.8	1.1	716	123	2-4
232.3	1.0	99	6	2-4	363.20	1.1	93	25	2-4	692.89	2.0	205	39	2-4
234.8	1.6	62	14	2-4	363.61	1.0	207	13	2-4	693.1	1.4	142	3	2-4
235.0	1.3	236	12	2-4	365.00	1.6	126	11	2-4	698.9	2.0	252	44	2-4
236.5	1.8	56	9	2-4	365.65	1.4	72	3	2-4	701.0	1.8	166	8	2-4
237.2	1.0	97	10	2-4	366.50	1.4	142	8	2-4	701.5	1.7	118	16	2-4
237.3	1.0	296	15	2-4	368.16	1.9	365	49	2-4	709.8	1.8	281	37	2-4
238.0	1.6	315	54	2-4	370.34	1.9	54	6	2-4	710.2	2.0	304	48	2-4
238.2	1.4	70	15	2-4	371.72	1.8	109	11	2-4	710.8	1.7	176	28	2-4
239.4	1.6	826	123	2-4	372.00	1.6	62	11	2-4	711.03	1.7	664	85	2-4
242.20	1.3	783	54	2-4	376.30	1.9	53	5	2-4	711.07	2.0	864	86	2-4
242.80	1.1	174	16	2-4	378.53	1.4	74	2	2-4	711.96	1.6	250	21	2-4
245.3	1.6	62	4	2-4	378.9	1.4	73	5	2-4	714.2	1.9	481	69	2-4
246.8	1.6	62	5	2-4	381.00	1.2	83	5	2-4	714.4	1.9	54	2	2-4
255.1	1.1	187	19	2-4	382.01	1.0	101	8	2-4	714.9	1.0	610	41	2-4
255.5	1.1	90	15	2-4	382.2	1.1	180	3	2-4	715.13	1.4	73	2	2-4
255.9	1.0	102	18	2-4	383.9	1.4	143	12	2-4	715.38	1.4	503	26	2-4
268.2	2.0	101	11	2-4	386.34	1.3	152	7	2-4	716.66	1.2	168	11	2-4
272.4	1.9	107	4	2-4	388.8	1.1	92	4	2-4	716.90	1.7	472	39	2-4
277.1	1.3	230	24	2-4	389.9	1.4	69	9	2-4	716.99	1.1	356	26	2-4
277.4	1.8	57	9	2-4	390	1.1	179	22	2-4	718.42	1.0	96	12	2-4
278.0	1.3	788	37	2-4	402.10	1.2	646	57	2-4	718.44	1.6	451	40	2-4
282.0	1.5	68	12	2-4	405.01	1.9	578	88	2-4	718.46	1.5	534	51	2-4
282.4	1.3	236	47	2-4	405.99	1.8	116	13	2-4	718.65	1.9	266	25	2-4
282.60	1.7	243	18	2-4	426.2	1.6	191	26	2-4	719.11	1.8	165	19	2-4
289.0	2.0	358	43	2-4	426.7	1.5	584	46	2-4	719.75	1.7	59	8	2-4
289.1	1.1	178	13	2-4	442.0	1.6	371	55	2-4	719.85	1.1	88	6	2-4
289.2	1.0	507	22	2-4	448.0	1.5	800	109	2-4	720.9	1.2	162	15	2-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 2

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
721.41	2.0	410	75	2-4
721.7	1.1	189	14	2-4
722.11	1.2	422	30	2-4
722.51	1.7	358	34	2-4
722.92	1.4	144	13	2-4
724.01	1.9	377	43	2-4
724.1	1.8	574	67	2-4
724.79	1.0	290	17	2-4
726.12	1.0	102	3	2-4
726.32	1.0	99	4	2-4
727.66	1.3	156	3	2-4
727.82	1.2	157	6	2-4
728.2	1.6	193	33	2-4
728.4	1.5	67	2	2-4
728.79	1.0	96	7	2-4
728.83	1.4	139	6	2-4
728.84	1.7	228	6	2-4
729.30	1.9	52	5	2-4
729.89	1.1	821	124	2-4
730.03	1.3	80	7	2-4
730.06	1.2	826	92	2-4
730.23	1.4	143	16	2-4
733.29	1.7	117	9	2-4
733.40	1.2	434	29	2-4
733.41	0.9	529	22	2-4
733.44	1.4	72	2	2-4
733.49	1.1	655	51	2-4
736.41	1.0	190	2	2-4
737.30	1.3	787	51	2-4
741.01	1.2	81	3	2-4
741.93	1.7	59	4	2-4
746.3	1.7	118	6	2-4
747.6	1.4	638	101	2-4
747.81	2.0	796	97	2-4
747.89	1.7	181	21	2-4
748.3	1.8	111	7	2-4
751.5	1.2	606	67	2-4
751.7	1.3	76	7	2-4
753.2	1.0	311	11	2-4
753.3	1.1	90	4	2-4
754.30	1.5	134	2	2-4
754.51	1.3	74	3	2-4
756.0	1.3	75	8	2-4
756.19	1.7	347	22	2-4
780.1	2.0	504	92	2-4
780.52	1.6	62	4	2-4
780.59	1.6	128	10	2-4
781.4	1.4	207	25	2-4
782.1	1.7	342	41	2-4
784.1	1.3	77	8	2-4
786.8	1.5	537	67	2-4
787.6	1.6	615	78	2-4
787.9	1.2	173	39	2-4
788.8	1.6	60	7	2-4
790.4	1.0	99	10	2-4
793.5	1.2	167	10	2-4
794.8	1.6	570	64	2-4
796.4	1.4	72	10	2-4
800.00	1.0	98	12	2-4
800.01	2.0	150	20	2-4
801.41	1.8	56	4	2-4
802.1	1.1	377	33	2-4
802.20	1.7	460	44	2-4
802.21	1.6	319	26	2-4
802.22	1.5	201	16	2-4
802.24	1.8	170	12	2-4
802.35	1.3	76	5	2-4
802.36	1.5	67	5	2-4
802.6	1.1	787	61	2-4
803.01	1.5	129	17	2-4
806.4	1.8	454	68	2-4
810.01	1.8	112	15	2-4
811.03	1.4	278	23	2-4
811.09	1.2	168	11	2-4
812.02	1.5	715	95	2-4
812.30	1.6	63	7	2-4
812.43	1.6	371	25	2-4
812.44	1.3	629	46	2-4
812.50	1.0	192	13	2-4
813.04	1.5	339	21	2-4
813.23	1.3	450	23	2-4
813.32	1.6	62	4	2-4
813.40	1.5	65	6	2-4
813.43	1.8	285	25	2-4
813.93	1.1	465	24	2-4
814.01	0.9	108	10	2-4
815.02	1.2	83	6	2-4
819.0	1.5	68	3	2-4
821.31	1.2	83	9	2-4
823.01	1.5	606	53	2-4
823.21	1.3	299	30	2-4
824.5	1.0	882	44	2-4
825.29	1.4	142	3	2-4
825.31	1.4	73	2	2-4
827.0	1.5	67	4	2-4
831.03	2.0	100	9	2-4
831.04	1.0	413	20	2-4
832.00	1.0	197	12	2-4
834.02	1.8	56	3	2-4
835.00	1.6	729	84	2-4
835.01	1.7	245	28	2-4
836.50	1.3	148	15	2-4
839.06	1.0	96	10	2-4
839.20	1.0	413	24	2-4
844.0	1.3	75	8	2-4
845.19	1.6	64	1	2-4
846.8	1.4	218	10	2-4
847.3	1.5	69	5	2-4
848.3	1.8	287	30	2-4
848.8	1.1	827	69	2-4
850.2	1.5	261	35	2-4
863.99	1.6	64	6	2-4
870.0	1.7	118	17	2-4
870.3	1.7	60	7	2-4
870.8	1.4	221	22	2-4
871.9	1.2	81	6	2-4
872.01	1.5	65	5	2-4
873.1	1.3	306	38	2-4
873.20	1.9	154	18	2-4
873.43	1.1	362	33	2-4
873.49	1.8	507	54	2-4
873.53	1.8	57	8	2-4
873.59	2.0	102	14	2-4
873.64	1.0	102	14	2-4
877.1	1.5	66	10	2-4
878.2	1.4	69	5	2-4
880.00	1.2	87	9	2-4
881.00	1.0	483	63	2-4
881.22	1.5	388	38	2-4
884.1	1.3	159	12	2-4
890.0	1.0	409	21	2-4
890.1	1.2	326	24	2-4
895.1	1.0	101	5	2-4
900.89	1.6	126	22	2-4
900.9	1.6	63	5	2-4
903.1	1.2	84	4	2-4
903.2	1.4	148	6	2-4
907.0	1.4	71	8	2-4
909.3	1.0	98	10	2-4
910.0	1.0	296	37	2-4
910.8	1.9	104	17	2-4
913.1	1.3	78	16	2-4
916.0	1.9	157	27	2-4
916.8	1.7	57	3	2-4
918.1	1.6	61	3	2-4
921.1	1.2	80	8	2-4
923.20	0.9	107	12	2-4
924.4	1.2	261	31	2-4
924.5	1.4	781	101	2-4
928.20	1.5	67	2	2-4
936	1.8	549	50	2-4
938	1.4	219	18	2-4
943.21	2.0	100	7	2-4
944.28	1.1	95	6	2-4
944.30	1.5	132	15	2-4
945.02	1.2	87	4	2-4
945.20	1.5	271	40	2-4
945.24	1.2	334	43	2-4
945.29	1.9	159	26	2-4
945.31	1.5	65	6	2-4
945.32	1.2	724	84	2-4
945.33	1.6	64	4	2-4
945.36	1.4	359	46	2-4
945.42	1.4	69	9	2-4
953.4	1.2	163	13	2-4
955.2	1.4	146	6	2-4
955.3	1.5	68	8	2-4
959.2	1.8	169	25	2-4
959.3	1.6	61	8	2-4
959.4	1.8	55	4	2-4
959.7	1.4	728	84	2-4
969.2	1.1	452	56	2-4
969.3	0.9	424	17	2-4
969.5	1.8	618	65	2-4
969.7	1.7	114	8	2-4
969.9	1.9	52	4	2-4
971.2	1.6	61	8	2-4
972.6	1.5	749	65	2-4
973.0	1.9	52	9	2-4
973.3	1.6	64	11	2-4
974.4	1.8	274	46	2-4
975.3	2.0	49	2	2-4
980.0	1.3	458	25	2-4
985.8	1.7	409	35	2-4
989.8	1.4	144	9	2-4
991.1	1.3	153	21	2-4
991.2	1.8	327	33	2-4
992.3	1.3	237	37	2-4
992.4	1.5	66	5	2-4
994.8	1.8	109	2	2-4
996.09	1.3	841	76	2-4
996.52(89)	1.7	236	31	2-4
996.52(90)	1.0	297	32	2-4
997.61	1.1	266	18	2-4
999.5	1.0	306	26	2-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 3

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
V56.0 (88)	3.3	1.473	0.651	3-2
V56.0 (89)	3.5	0.817	1.002	3-3
V56.0 (90)	3.2	0.978	0.974	3-3
V58.0 (88)	3.8	1.315	0.840	3-2
V58.0 (89)	4.0	1.533	0.891	3-2
V58.0 (90)	4.3	1.863	0.866	3-2
V58.1 (88)	2.8	9E+12	0.614	3-2
V58.1 (89)	2.8	9E+12	0.627	3-2
V58.1 (90)	2.8	10E+12	0.588	3-2
V58.8	3.9	0.867	0.883	3-2
008.49	3.3	1.453	0.807	3-2
009.0	2.2	0.723	0.711	3-1
053.79	2.5	0.909	0.813	3-2
078.5	3.2	2.766	2.347	3-4
135	3.6	2.552	1.731	3-4
141.2	3.0	0.554	2.021	3-3
142.0	3.2	0.531	1.335	3-3
153.0	4.1	1.344	0.918	3-2
153.2	4.0	1.302	0.708	3-2
153.3	3.7	1.200	0.824	3-2
153.4	4.1	1.126	0.884	3-2
153.6	3.5	1.091	0.856	3-2
154.8	3.7	1.213	1.189	3-4
161.0	2.1	1.106	1.045	3-4
161.1	3.0	16.008	0.178	3-2
171.3	2.1	1.492	1.586	3-4
172.5	4.2	1.519	1.778	3-4
173.4	2.6	0.770	1.276	3-3
173.5	2.2	1.733	1.066	3-4
174.9	3.6	1.044	0.544	3-2
180.0	2.2	9.082	0.115	3-2
184.4	2.4	1.296	1.476	3-4
185	2.9	0.549	0.817	3-1
188.8	2.7	1.532	1.341	3-4
188.9	4.4	1.287	1.443	3-4
189.1	2.2	1.018	1.091	3-3
189.2	2.2	0.712	0.969	3-3
196.3	4.3	1.106	1.602	3-4
196.6	2.7	10.305	0.000	3-2
225.2	2.9	2.740	1.094	3-4
227.3	2.1	2.147	0.824	3-2
244.9	3.9	2.209	1.327	3-4
250.80(89)	2.1	1.188	1.305	3-4
250.80(90)	2.1	1.717	1.111	3-4
250.81(90)	2.0	1.482	1.308	3-4
250.90(88)	2.2	0.840	1.055	3-3
250.90(89)	2.2	0.759	1.003	3-3
250.90(90)	2.0	0.924	0.948	3-3
251.2	3.8	1.072	1.381	3-3
253.6	3.1	1.320	1.280	3-4
255.4	3.6	1.180	1.475	3-4
276.6	3.9	1.306	1.530	3-4
276.8	3.0	1.071	1.130	3-3
280.0	3.8	1.063	1.410	3-3
281.3	2.2	1.544	1.060	3-4
281.9	4.1	1.212	1.710	3-4
285.0	4.1	1.248	2.683	3-4
290.0	2.7	1.395	1.698	3-4
290.10	2.9	1.714	1.891	3-4
290.11	2.4	2.117	1.478	3-4
290.20	2.0	1.674	1.360	3-4
290.3	2.7	1.516	1.572	3-4
290.40	3.0	1.647	2.068	3-4
290.41	3.3	1.619	1.701	3-4
291.0	2.4	0.907	0.826	3-2
291.2	2.4	1.397	1.052	3-4
292.81	2.1	0.824	1.143	3-3
293.0	3.6	1.109	1.324	3-4
294.1	2.8	1.382	2.386	3-4
294.9	2.1	1.493	1.361	3-4
298.9	3.2	1.183	1.541	3-4
300.9	4.4	1.646	1.387	3-4
310.1	2.4	1.124	1.509	3-4
310.9	3.7	1.516	1.566	3-4
331.0	4.3	1.970	1.623	3-4
331.4	2.3	2.089	1.304	3-4
331.9	3.7	1.261	1.399	3-4
332.0	2.5	1.257	1.474	3-4
333.0	2.6	1.143	1.755	3-4
342.9	3.5	1.146	1.569	3-4
345.1 (88)	3.4	1.016	1.417	3-3
345.1 (89)	3.2	1.291	1.414	3-4
345.10(90)	3.0	1.232	1.386	3-4
345.11(90)	3.2	1.632	1.464	3-4
345.5 (88)	3.1	1.319	1.284	3-4
345.5 (89)	2.4	1.226	1.393	3-4
345.9 (88)	2.2	0.977	1.387	3-3
345.9 (89)	2.1	0.938	1.363	3-3
345.90(90)	2.1	0.919	1.252	3-3
345.91(90)	2.2	1.675	1.260	3-4
356.8	3.2	1.120	2.250	3-4
357.0	3.1	2.652	0.888	3-2
358.0	4.0	2.104	1.498	3-4
401.1	2.1	0.483	0.842	3-1
402.01	3.6	1.135	1.222	3-4
403.0 (88)	3.8	2.257	1.466	3-4
403.0 (89)	2.3	1.709	1.394	3-4
403.01(90)	2.9	2.135	1.940	3-4
403.90(90)	3.3	1.908	0.920	3-2
411.1	2.0	0.591	0.738	3-1
411.81(90)	3.0	0.766	0.826	3-2
414.0	2.6	0.995	0.503	3-2
414.8	3.6	1.015	0.887	3-2
414.9	3.1	0.925	0.630	3-2
420.90	4.1	1.214	0.901	3-2
424.0	4.2	1.884	0.837	3-2
425.1	3.3	1.065	0.731	3-2
426.10	3.2	0.581	0.876	3-1
426.11	2.2	0.349	0.918	3-1
426.6	2.2	0.459	0.795	3-1
426.9	2.6	0.385	0.975	3-3
427.31	2.6	0.805	0.955	3-3
427.60	2.1	0.490	0.756	3-1
427.89	2.4	0.576	0.868	3-1
437.0	3.7	1.146	1.352	3-4
437.1	4.0	1.119	1.262	3-4
437.9	3.2	0.925	1.212	3-3
440.1	2.3	1.365	0.938	3-4
440.8	2.4	1.604	0.637	3-2
442.3	2.1	0.880	1.003	3-3
442.81	3.7	2.164	0.984	3-4
443.9	4.0	2.017	1.251	3-4
453.9	3.1	0.739	1.214	3-3
457.1	2.2	1.049	1.255	3-3
465.9	2.5	0.644	1.021	3-3
466.0	2.5	0.884	1.115	3-3
466.1	2.8	1.028	0.859	3-2
478.29	2.3	0.818	1.411	3-3
487.1	2.1	0.513	0.684	3-1
490	2.3	0.752	1.070	3-3
491.1	2.7	1.105	1.396	3-4
491.2	3.7	1.348	1.576	3-4
491.9	2.1	0.878	1.200	3-3
493.20(90)	2.3	1.140	1.219	3-4
493.21(90)	2.2	1.171	1.303	3-4
494	2.8	1.194	1.346	3-4
518.89(90)	4.3	1.206	1.853	3-4
519.1	3.6	1.251	1.194	3-4
527.2	2.2	1.248	0.765	3-2
528.3	2.8	1.040	0.833	3-2
530.0	2.1	1.191	1.093	3-4
530.2	2.8	1.143	1.148	3-4
530.3	3.5	1.344	1.384	3-4
530.7	3.7	0.996	0.855	3-2
531.00	3.6	1.132	0.917	3-2
531.40	3.2	1.010	0.900	3-2
531.41	4.2	1.528	0.995	3-4
532.40	3.9	1.188	0.836	3-2
534.00	2.6	1.403	0.457	3-2
534.40	3.3	1.029	0.983	3-3
536.2	3.6	1.403	1.373	3-4
540.0	3.1	1.307	0.362	3-2
550.10	2.2	0.536	0.766	3-1
550.12	2.8	0.688	0.768	3-1
552.00	2.4	0.748	0.714	3-1
552.20	2.8	1.155	0.685	3-2
552.21	2.0	0.885	0.556	3-2
556	2.2	1.819	0.774	3-2
558.1	2.3	2.364	0.932	3-4
558.2	3.8	0.870	1.099	3-3
560.81	4.1	1.416	0.726	3-2
562.00	4.3	1.504	0.676	3-2
564.0	2.2	0.746	1.245	3-3
564.8	3.5	1.788	1.357	3-4
569.41	2.9	2.345	0.898	3-2
569.49	2.5	1.138	1.030	3-4
569.6	2.3	1.033	1.032	3-3
569.82	2.9	1.360	0.992	3-4
571.8	3.1	2.363	0.879	3-2
574.01	2.2	0.916	0.521	3-2
574.21	4.4	1.325	0.990	3-4
574.31	2.7	1.163	0.525	3-2
574.41	2.1	0.980	0.567	3-2
574.51	2.6	1.054	0.653	3-2
575.0	3.5	1.088	0.687	3-2
575.8	2.2	0.961	0.840	3-2
577.2	3.5	2.263	1.146	3-4
577.8	3.4	2.473	1.454	3-4
581.9	2.9	1.992	1.620	3-4
588.8	3.2	1.289	1.409	3-4
590.00	2.8	1.472	0.867	3-2
590.10	2.2	0.891	0.922	3-2
591	2.0	1.000	1.104	3-3
593.4	2.1	0.685	1.152	3-3
593.89	2.4	1.102	0.881	3-2
595.89	2.2	2.437	0.652	3-2
596.7	2.5	0.366	0.825	3-1
599.7	3.3	0.797	0.997	3-3
599.8	2.6	0.748	1.075	3-3
608.4	3.2	2.727	0.588	3-2
619.1	3.2	2.751	1.170	3-4
623.8	4.1	0.935	1.438	3-3
682.1	2.7	1.587	0.976	3-4
682.2	2.3	1.302	1.065	3-4
682.5	3.1	1.894	1.315	3-4
682.9	3.0	1.278	1.078	3-4
694.5	2.9	2.133	2.501	3-4
695.89	2.9	1.467	1.183	3-4
707.1	2.3	1.501	1.314	3-4
707.8	3.0	2.178	1.444	3-4
710.0	3.1	2.736	1.642	3-4
710.4	3.4	2.886	2.238	3-4
711.06	3.0	1.495	0.894	3-2
719.45	2.2	0.786	1.097	3-3
724.5	2.1	0.740	1.115	3-3
733.1	2.9	1.091	1.297	3-3
733.90	2.5	1.405	1.203	3-4
780.3	3.3	1.148	1.366	3-4
780.6	3.1	1.016	1.131	3-3
780.7	3.1	0.918	1.282	3-3
782.3	3.1	1.179	1.421	3-4
783.2	2.8	1.426	1.484	3-4
784.2	3.0	1.210	1.949	3-4
787.0	3.6	0.961	1.308	3-3
788.2	2.7	0.728	0.865	3-1
789.0	2.9	0.732	0.925	3-1
807.00	3.1	0.995	0.966	3-3
807.02	2.3	0.595	0.851	3-1
807.03	2.2	0.814	0.790	3-2
807.04	2.8	0.805	0.847	3-2
807.05	3.3	0.884	0.721	3-2
807.06	3.8	1.231	0.693	3-2
808.0	3.5	1.019	1.024	3-3
808.2	2.3	0.714	0.889	3-1
808.41	3.1	0.930	1.005	3-3
808.42	2.4	0.606	1.007	3-3
808.49	2.4	0.995	0.717	3-2
808.8	3.0	0.778	1.086	3-3
812.20	3.4	1.019	1.060	3-3
812.21	2.6	1.007	0.773	3-2
820.00	3.0	1.201	1.004	3-4
820.01	4.0	1.546	0.813	3-2
820.02	3.4	1.211	0.988	3-4
820.03	4.2	1.336	1.094	3-4
820.09	3.3	1.273	0.960	3-4
820.20	3.1	0.939	1.119	3-3
820.8	4.3	1.414	1.019	3-4
821.01	4.2	1.492	1.083	3-4
821.20	4.4	1.347	1.316	3-4
821.21	2.3	0.911	0.931	3-3
821.23	3.0	1.258	1.150	3-4
823.92	3.6	1.489	0.592	3-2
854.00	4.1	1.157	1.066	3-4
854.01	2.5	0.710	0.998	3-3
854.02	2.0	0.701	0.854	3-1
861.01	4.0	1.139	0.451	3-2
873.42	2.3	0.644	1.079	3-3
959.6	2.3	0.611	1.082	3-3
959.8	4.1	0.951	0.938	3-3
967.0	3.5	1.373	0.977	3-4
969.0	2.2	0.954	0.922	3-2
969.4	2.3	0.980	0.945	3-3
977.9	2.5	0.688	0.988	3-3
986	3.7	0.893	0.784	3-2
995.2	3.5	1.040	1.173	3-3
996.1	3.6	1.054	1.228	3-3
996.59(88)	2.1	1.664	0.987	3-4
996.59(89)	2.1	1.225	1.332	3-4
996.59(90)	3.3	1.816	1.232	3-4
996.6 (88)	3.3	1.347	1.171	3-4
996.6 (89)	3.2	1.408	1.192	3-4
996.61(90)	4.1	1.330	1.049	3-4
996.62(90)	4.2	2.175	1.090	3-4
996.69(90)	2.7	2.783	0.874	3-2
996.7 (88)	3.0	0.859	1.127	3-3
996.7 (89)	2.8	0.958	1.074	3-3
996.72(90)	3.1	0.922	0.884	3-2
996.73(90)	3.1	0.765	1.125	3-3
996.74(90)	3.7	1.137	1.053	3-4
996.76(90)	3.5	1.010	1.466	3-3
996.79(90)	3.4	1.008	1.195	3-3
997.1	3.1	0.659	0.851	3-1
997.3	3.3	0.734	1.177	3-3

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 3

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
997.4	3.3	1.283	1.057	3-4
997.62	3.7	1.731	1.247	3-4
997.69	2.7	1.308	1.585	3-4
998.2	4.1	1.064	0.983	3-3
998.6	2.3	1.585	0.983	3-4
999.3	4.0	1.658	1.184	3-4
OTHER	3.0	1.258	1.134	3-4

OTHER

ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
V45.89	3.3	30	1	3-4
V55.4	3.7	243	77	3-4
V55.6	2.6	383	101	3-4
V57.2	2.4	124	20	3-4
V60.4	2.5	163	38	3-4
V60.5	2.1	47	12	3-4
V66.0	3.7	27	5	3-4
V66.9	2.7	37	4	3-4
V67.4	2.3	130	14	3-4
V67.59	2.7	402	48	3-4
V71.09	3.8	79	10	3-4
003.8	3.0	65	6	3-4
008.0	2.4	451	55	3-4
008.41	4.1	295	56	3-4
008.42	2.9	343	70	3-4
011.02	4.3	23	7	3-4
011.43	3.6	30	7	3-4
011.45	2.5	39	4	3-4
011.84	3.4	29	5	3-4
011.92	2.7	223	48	3-4
011.95	3.0	202	51	3-4
012.00	3.1	254	70	3-4
015.00	2.1	95	11	3-4
017.90	3.4	61	8	3-4
027.2	3.2	157	22	3-4
041.0	3.9	231	53	3-4
041.1	4.3	726	202	3-4
041.5	2.9	275	46	3-4
041.9	3.3	183	42	3-4
047.8	3.8	79	14	3-4
053.8	3.8	185	35	3-4
054.10	2.1	50	8	3-4
054.79	3.2	248	71	3-4
054.9	4.2	289	74	3-4
072.9	2.5	40	9	3-4
078.3	3.1	65	6	3-4
081.9	2.4	42	3	3-4
082.0	3.5	405	32	3-4
084.6	3.2	31	2	3-4
096	2.9	33	5	3-4
112.3	2.6	119	22	3-4
112.9	3.1	64	25	3-4
115.00	2.9	34	3	3-4
115.05	2.0	149	20	3-4
127.2	2.8	73	17	3-4
129	4.0	26	4	3-4
137.0	4.3	23	5	3-4
138	3.9	75	12	3-4
141.1	2.3	178	44	3-4
142.1	3.0	502	108	3-4
143.0	2.6	303	65	3-4
143.1	3.9	676	171	3-4
143.8	2.6	38	16	3-4
144.0	2.6	694	150	3-4
145.0	4.4	730	213	3-4
145.2	3.4	324	79	3-4
145.3	3.6	580	165	3-4
145.4	4.2	71	20	3-4
145.6	2.3	603	160	3-4
146.2	4.2	167	60	3-4
146.3	4.0	51	18	3-4
146.7	4.0	51	25	3-4
160.0	2.7	699	125	3-4
161.3	3.7	245	69	3-4
170.7	3.8	398	142	3-4
171.2	3.4	709	169	3-4
172.0	4.2	24	6	3-4
172.4	3.9	673	146	3-4
175.9	3.0	802	98	3-4
182.1	4.3	47	12	3-4
183.2	3.5	402	106	3-4
184.3	2.4	41	11	3-4
186.9	3.4	350	57	3-4
187.7	2.3	87	14	3-4
187.8	2.3	88	27	3-4
188.7	3.8	80	20	3-4
189.9	4.3	47	12	3-4
190.0	3.2	216	27	3-4
190.1	3.2	313	88	3-4
190.5	4.2	24	4	3-4
190.8	3.4	116	19	3-4
192.0	2.3	43	15	3-4
194.1	3.4	89	16	3-4
195.4	2.1	187	47	3-4
195.5	4.2	314	67	3-4
200.07	4.3	48	17	3-4
200.87	3.7	55	27	3-4
201.51	2.5	80	21	3-4
201.52	3.1	66	20	3-4
201.55	3.1	31	12	3-4
201.62	3.4	29	12	3-4

OTHER

ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
201.63	3.2	62	31	3-4
201.65	2.7	37	12	3-4
201.94	3.3	60	26	3-4
201.95	2.0	48	23	3-4
201.96	4.2	24	7	3-4
202.01	2.8	689	148	3-4
202.05	3.9	207	56	3-4
202.07	3.5	57	16	3-4
210.6	4.0	25	3	3-4
210.8	4.0	24	3	3-4
211.0	2.6	115	16	3-4
211.5	4.0	444	88	3-4
211.9	2.4	42	3	3-4
213.0	2.4	252	16	3-4
215.5	3.1	163	16	3-4
215.9	3.0	65	4	3-4
227.5	3.2	31	1	3-4
228.00	3.1	33	5	3-4
228.02	3.8	260	36	3-4
230.2	3.0	200	40	3-4
230.8	3.8	78	21	3-4
232.4	3.6	28	3	3-4
232.6	2.9	35	3	3-4
235.4	3.3	121	19	3-4
236.0	3.2	125	14	3-4
236.91	2.4	254	56	3-4
237.0	3.8	397	88	3-4
237.6	4.1	172	43	3-4
237.7 (88)	4.1	97	13	3-4
237.7 (89)	2.4	86	7	3-4
237.7 (90)	3.4	88	10	3-4
238.6	2.7	225	50	3-4
239.5	4.1	756	184	3-4
242.31	3.8	26	3	3-4
244.0	2.7	149	27	3-4
244.3	2.3	43	6	3-4
246.9	2.2	46	4	3-4
251.1	3.9	332	82	3-4
251.3	2.1	48	16	3-4
252.1	2.4	288	36	3-4
253.2	2.9	419	67	3-4
255.8	2.0	196	26	3-4
259.3	3.4	29	7	3-4
259.8	4.0	25	5	3-4
263.1	3.9	103	38	3-4
273.1	3.6	303	72	3-4
274.10	3.2	63	9	3-4
274.82	2.3	345	40	3-4
275.0	4.3	439	92	3-4
275.2	2.4	288	57	3-4
275.3	4.3	117	27	3-4
277.00	2.5	285	61	3-4
277.6	4.1	99	24	3-4
277.8	4.4	137	20	3-4
278.8	4.0	350	64	3-4
279.00	3.4	58	10	3-4
279.8	3.8	52	16	3-4
281.2	2.8	597	108	3-4
281.8	3.8	105	31	3-4
282.61	2.9	34	7	3-4
282.8	2.6	38	12	3-4
284.0	3.4	59	26	3-4
286.1	4.2	48	6	3-4
286.4	2.7	111	27	3-4
287.0	3.5	634	112	3-4
287.1	3.6	111	21	3-4
287.2	3.7	106	20	3-4
288.3	2.5	278	43	3-4
289.4	2.9	657	173	3-4
289.51	2.3	85	15	3-4
292.11	2.7	260	40	3-4
292.2	2.5	117	19	3-4
292.82	2.5	732	146	3-4
292.84	2.6	154	22	3-4
293.1	2.4	288	68	3-4
293.89	2.3	221	37	3-4
295.42	3.6	29	2	3-4
297.0	2.9	35	5	3-4
297.2	2.5	79	21	3-4
298.1	2.3	779	110	3-4
298.2	3.2	217	40	3-4
298.3	2.2	557	95	3-4
300.20	2.1	48	4	3-4
300.89	4.1	49	10	3-4
307.59	3.5	115	32	3-4
307.9	3.6	661	135	3-4
308.1	3.8	26	3	3-4
308.2	2.8	35	6	3-4
318.2	3.0	33	3	3-4
324.9	3.4	29	4	3-4
330.0	2.3	45	11	3-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 3

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
331.2	3.3	545	129	3-4	530.9	3.6	224	34	3-4	730.09	3.8	53	10	3-4
331.89	2.2	716	118	3-4	531.01	3.5	821	142	3-4	730.20	3.8	104	19	3-4
333.2	2.3	766	156	3-4	533.21	4.2	143	9	3-4	730.21	2.6	152	19	3-4
333.5	3.5	482	71	3-4	533.31	4.1	198	32	3-4	730.22	3.7	108	17	3-4
333.82	2.3	724	102	3-4	533.41	3.7	219	40	3-4	730.29	3.1	65	16	3-4
333.89	3.4	29	3	3-4	533.91	2.1	485	54	3-4	732.4	3.8	26	1	3-4
333.90	2.6	799	139	3-4	534.01	2.4	41	8	3-4	733.09	2.6	115	18	3-4
334.9	4.0	249	43	3-4	534.30	2.8	219	37	3-4	736.39	2.0	96	6	3-4
335.21	3.8	80	17	3-4	534.71	2.3	44	3	3-4	737.19	2.9	34	1	3-4
335.24	3.1	96	15	3-4	541	3.6	584	60	3-4	737.34	2.2	46	2	3-4
335.29	3.2	62	19	3-4	550.13	2.9	377	40	3-4	742.4	3.8	133	28	3-4
336.8	2.1	336	79	3-4	551.29	2.9	69	7	3-4	743.31	2.4	83	7	3-4
343.1	4.0	50	9	3-4	552.02	4.0	148	21	3-4	743.59	.	1	0	3-4
344.0	3.3	575	95	3-4	562.01	2.8	827	91	3-4	745.5	2.4	709	59	3-4
344.4	3.0	168	26	3-4	571.41	3.3	150	21	3-4	745.61	3.1	32	2	3-4
344.8	2.2	462	81	3-4	575.3	2.2	496	55	3-4	746.4	4.0	126	8	3-4
344.9	2.9	482	93	3-4	575.5	3.0	293	45	3-4	746.85	2.3	86	3	3-4
345.0 (89)	2.9	269	34	3-4	575.9	3.3	300	37	3-4	746.89	4.1	49	6	3-4
345.00(90)	2.0	296	50	3-4	576.4	2.6	197	43	3-4	747.29	3.7	26	5	3-4
345.8 (89)	2.9	248	32	3-4	576.9	3.3	122	17	3-4	747.3	2.6	39	3	3-4
345.80(90)	2.4	167	29	3-4	577.9	3.8	368	123	3-4	750.3	2.2	140	18	3-4
352.2	4.0	25	10	3-4	579.0	2.5	447	62	3-4	750.4	3.6	56	13	3-4
352.6	2.4	127	29	3-4	579.2	3.0	134	23	3-4	751.0	3.4	408	46	3-4
356.1	3.6	166	21	3-4	579.3	3.2	872	212	3-4	751.3	2.5	40	4	3-4
356.2	2.4	165	27	3-4	579.8	2.6	580	116	3-4	751.62	3.4	116	10	3-4
356.4	3.6	359	79	3-4	579.9	4.0	477	109	3-4	751.69	4.1	98	16	3-4
357.7	2.3	43	11	3-4	580.0	2.7	74	18	3-4	753.7	2.2	45	5	3-4
357.8	2.1	186	37	3-4	580.4	2.8	141	51	3-4	754.2	3.7	27	3	3-4
359.8	3.8	420	90	3-4	580.89	2.7	341	72	3-4	755.35	.	1	0	3-4
359.9	3.7	324	67	3-4	581.3	2.1	96	18	3-4	756.6	2.6	77	7	3-4
360.02	2.2	91	22	3-4	581.89	3.2	93	20	3-4	757.0	2.6	39	3	3-4
360.43	4.2	72	14	3-4	582.2	3.8	53	9	3-4	757.39	3.0	67	3	3-4
368.40	3.2	31	3	3-4	583.89	2.3	475	92	3-4	758.0	4.1	73	16	3-4
369.00	2.7	73	9	3-4	583.9	3.2	597	95	3-4	759.5	2.3	43	4	3-4
372.30	2.0	98	18	3-4	587	2.3	174	21	3-4	780.54	2.1	47	4	3-4
376.00	3.8	26	3	3-4	588.1	2.4	126	26	3-4	780.56	2.6	38	5	3-4
376.81	2.3	44	3	3-4	594.0	2.2	228	24	3-4	781.6	2.3	87	14	3-4
379.00	2.7	37	3	3-4	597.0	3.0	403	82	3-4	782.5	2.9	71	23	3-4
383.02	2.4	83	12	3-4	599.1	2.1	470	90	3-4	782.7	3.6	310	63	3-4
388.69	2.4	41	10	3-4	599.9	2.7	73	13	3-4	783.6	3.7	26	4	3-4
393	3.3	31	8	3-4	607.2	3.9	468	129	3-4	783.9	4.2	24	8	3-4
395.1	2.8	178	33	3-4	607.82	2.2	136	19	3-4	784.3	2.7	851	168	3-4
395.2	4.2	381	56	3-4	607.83	3.8	54	20	3-4	784.5	3.8	842	167	3-4
404.0 (88)	4.1	171	46	3-4	608.0	2.7	37	5	3-4	784.9	4.1	123	20	3-4
404.0 (89)	4.1	240	54	3-4	608.86	3.3	122	29	3-4	786.02	3.2	62	11	3-4
404.01(90)	3.2	94	20	3-4	610.9	3.1	32	2	3-4	786.2	2.5	568	59	3-4
412	3.8	185	23	3-4	614.0	2.3	176	6	3-4	787.1	4.3	47	7	3-4
413.0	2.1	794	94	3-4	614.3	2.5	629	86	3-4	788.4	2.7	184	20	3-4
423.1	3.0	100	24	3-4	614.5	3.2	96	16	3-4	789.2	4.4	525	130	3-4
424.3	2.9	34	5	3-4	614.8	2.9	35	3	3-4	790.2	2.6	76	11	3-4
426.3	2.8	746	85	3-4	619.0	2.6	426	107	3-4	793.3	4.2	24	2	3-4
426.52	3.3	210	28	3-4	619.8	3.5	59	9	3-4	793.4	2.3	45	3	3-4
426.53	3.0	560	67	3-4	620.9	4.3	24	5	3-4	795.5	2.2	45	3	3-4
426.54	2.9	726	101	3-4	629.8	2.2	89	10	3-4	796.0	2.9	34	6	3-4
429.81	3.4	59	11	3-4	629.9	4.0	25	3	3-4	796.3	2.8	707	105	3-4
443.0	3.6	362	56	3-4	642.51	2.8	72	4	3-4	800.06	2.4	41	4	3-4
443.1	3.3	397	52	3-4	642.91	3.4	29	1	3-4	800.12	3.7	55	7	3-4
447.0	2.5	615	80	3-4	680.3	2.9	69	12	3-4	800.60	4.3	23	10	3-4
456.1	3.0	327	81	3-4	680.7	2.4	41	5	3-4	801.01	2.2	621	80	3-4
457.8	2.1	810	158	3-4	680.9	3.8	26	5	3-4	801.09	3.4	118	15	3-4
464.10	3.1	413	76	3-4	686.0	2.8	670	152	3-4	801.40	2.8	37	5	3-4
464.31	3.1	259	20	3-4	694.61	3.5	57	4	3-4	801.42	2.3	43	4	3-4
465.8	2.7	185	32	3-4	706.8	2.9	35	9	3-4	801.50	3.2	31	4	3-4
478.20	4.2	69	13	3-4	707.9	3.2	497	121	3-4	802.28	3.8	523	75	3-4
478.24	2.5	122	11	3-4	709.3	2.3	220	22	3-4	802.29	2.3	220	19	3-4
478.30	3.8	286	70	3-4	710.3	4.1	462	179	3-4	802.39	3.4	58	9	3-4
478.33	3.0	400	104	3-4	711.00	3.5	201	29	3-4	802.8	2.5	758	95	3-4
478.34	2.9	138	44	3-4	711.02	2.1	468	50	3-4	802.9	2.9	35	1	3-4
478.6	2.4	530	78	3-4	711.05	3.0	668	101	3-4	803.02	3.0	67	6	3-4
478.70	2.0	49	9	3-4	711.08	2.2	405	45	3-4	803.09	2.7	37	4	3-4
478.75	2.1	528	52	3-4	711.93	3.1	32	4	3-4	803.10	2.7	37	5	3-4
491.0	2.4	169	19	3-4	711.95	3.0	66	11	3-4	805.06	3.3	359	47	3-4
491.8	3.1	781	152	3-4	711.98	2.9	35	5	3-4	806.08	3.0	66	16	3-4
493.11	2.3	816	118	3-4	714.1	2.8	289	48	3-4	806.24	2.9	34	9	3-4
495.9	2.8	347	38	3-4	716.56	4.3	23	2	3-4	806.25	2.1	340	57	3-4
503	3.2	31	8	3-4	716.67	2.8	36	2	3-4	807.07	3.2	663	78	3-4
504	4.3	23	5	3-4	717.49	2.1	48	3	3-4	807.08	4.2	636	80	3-4
506.0	3.4	472	52	3-4	718.21	3.2	31	6	3-4	807.5	2.7	75	8	3-4
508.8	4.3	208	42	3-4	718.25	2.0	49	6	3-4	810.02	2.5	642	70	3-4
519.3	3.3	90	18	3-4	718.32	2.6	76	4	3-4	810.03	2.8	466	66	3-4
519.4	2.6	195	32	3-4	718.55	3.2	125	8	3-4	811.00	2.5	398	48	3-4
522.8	2.9	35	4	3-4	718.85	2.4	85	5	3-4	812.10	3.5	142	24	3-4
523.1	2.4	82	15	3-4	719.49	2.8	249	28	3-4	812.31	2.8	213	34	3-4
525.0	3.6	28	6	3-4	719.70	3.8	183	29	3-4	812.51	2.7	184	14	3-4
525.1	4.2	24	3	3-4	721.91	2.1	188	23	3-4	813.02	2.1	47	2	3-4
525.9	3.6	29	2	3-4	722.70	2.7	37	3	3-4	813.31	3.0	33	4	3-4
527.3	3.5	790	119	3-4	728.11	3.4	29	5	3-4	813.92	4.2	48	4	3-4
527.7	2.6	77	9	3-4	728.3	2.7	111	13	3-4	815.09	2.3	43	3	3-4
528.2	3.7	80	18	3-4	728.9	2.7	696	128	3-4	817.0	2.5	79	6	3-4
528.9	2.4	764	140	3-4	730.01	3.1	98	19	3-4	820.19	2.8	246	48	3-4
529.0	3.7	384	66	3-4	730.05	4.1	712	183	3-4	820.9	3.3	857	189	3-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 3

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
821.11	3.6	249	47	3-4
821.29	4.0	477	87	3-4
822.1	2.6	347	22	3-4
823.10	2.5	239	21	3-4
823.12	3.4	267	34	3-4
823.32	2.6	643	65	3-4
823.90	3.7	158	16	3-4
825.23	2.9	35	2	3-4
828.0	4.2	168	34	3-4
830.0	4.0	124	23	3-4
831.02	3.0	133	13	3-4
835.03	3.2	64	7	3-4
836.52	3.6	28	3	3-4
837.1	2.4	42	1	3-4
838.03	2.8	36	1	3-4
838.04	2.6	38	1	3-4
839.01	4.1	222	33	3-4
839.04	2.8	215	32	3-4
839.05	3.5	172	28	3-4
839.07	2.7	36	6	3-4
841.9	3.4	30	3	3-4
845.01	3.5	57	4	3-4
848.5	2.2	136	18	3-4
850.3	4.0	25	4	3-4
851.84	2.9	35	9	3-4
851.89	4.3	140	21	3-4
852.09	2.2	45	12	3-4
854.09	2.6	841	114	3-4
861.31	2.7	37	6	3-4
863.45	3.3	210	34	3-4
865.01	3.3	271	44	3-4
866.00	3.6	169	13	3-4
866.03	3.6	56	6	3-4
867.2	4.0	25	4	3-4
867.6	2.6	39	6	3-4
870.4	3.0	33	3	3-4
871.2	2.7	222	22	3-4
871.3	4.0	50	10	3-4
871.7	3.7	55	6	3-4
872.00	2.0	99	7	3-4
872.11	3.6	28	3	3-4
873.40	2.3	348	43	3-4
873.52	3.9	154	25	3-4
873.63	2.1	48	4	3-4
874.4	2.9	103	8	3-4
874.8	2.4	411	46	3-4
875.0	2.6	498	42	3-4
878.3	2.9	35	7	3-4
879.2	2.8	456	53	3-4
879.4	2.1	138	11	3-4
879.5	2.8	70	6	3-4
879.8	3.2	153	19	3-4
880.13	3.2	63	11	3-4
881.02	2.8	248	46	3-4
881.10	2.0	494	50	3-4
884.0	3.7	189	35	3-4
884.2	2.3	44	3	3-4
887.2	4.2	24	4	3-4
890.2	2.3	43	2	3-4
903.3	2.8	72	8	3-4
904.2	3.6	28	3	3-4
904.8	3.7	54	4	3-4
906.1	2.1	45	3	3-4
911.0	3.4	87	6	3-4
914.1	2.6	38	1	3-4
917.1	3.0	66	6	3-4
917.2	2.9	35	8	3-4
917.5	2.4	41	3	3-4
919.0	3.4	321	53	3-4
919.8	3.0	66	11	3-4
921.2	2.8	282	40	3-4
922.8	2.3	346	57	3-4
923.01	3.4	28	4	3-4
923.02	2.6	40	9	3-4
923.09	2.5	82	16	3-4
923.10	3.0	165	24	3-4
923.11	2.0	98	18	3-4
923.21	2.8	36	4	3-4
923.8	2.7	73	9	3-4
923.9	2.3	44	5	3-4
928.00	2.8	36	3	3-4
928.10	3.4	147	12	3-4
935.0	3.1	31	2	3-4
939.2	2.9	34	2	3-4
941.19	3.6	28	4	3-4
941.20	4.2	262	35	3-4
941.27	2.3	43	4	3-4
941.29	3.2	247	33	3-4
942.20	4.2	48	5	3-4
942.21	3.3	30	2	3-4
942.22	3.6	112	13	3-4
942.23	2.4	123	15	3-4
942.24	3.0	297	46	3-4
943.23	2.7	38	8	3-4
943.29	2.2	43	4	3-4
943.30	2.7	112	13	3-4
944.26	2.4	42	2	3-4
944.33	4.3	23	2	3-4
944.36	2.1	48	2	3-4
944.38	2.7	111	7	3-4
944.40	3.7	27	6	3-4
945.14	4.3	23	2	3-4
945.34	2.2	499	65	3-4
952.2	2.3	215	38	3-4
952.8	2.6	38	5	3-4
956.0	3.7	83	8	3-4
958.8	2.1	726	66	3-4
959.0	2.5	604	81	3-4
959.9	3.6	169	22	3-4
960.5	4.3	47	4	3-4
961.0	2.3	88	10	3-4
961.4	3.4	29	2	3-4
962.0	2.5	81	16	3-4
963.0	2.2	553	48	3-4
963.1	3.2	221	51	3-4
963.5	2.4	42	3	3-4
964.2	4.2	738	130	3-4
965.00	3.7	82	16	3-4
965.6	2.7	257	16	3-4
965.8	4.2	682	107	3-4
967.1	3.6	110	12	3-4
967.8	2.7	747	96	3-4
967.9	3.0	630	88	3-4
968.0	3.0	167	12	3-4
970.8	4.3	23	1	3-4
972.0	3.0	744	90	3-4
972.4	2.1	431	53	3-4
972.9	3.3	154	22	3-4
973.8	2.9	34	6	3-4
975.4	3.1	32	6	3-4
976.0	2.0	199	18	3-4
976.4	4.2	24	3	3-4
976.6	3.8	26	3	3-4
980.2	3.1	255	26	3-4
980.9	3.6	53	3	3-4
983.2	4.4	182	27	3-4
983.9	2.2	234	17	3-4
987.0	2.4	41	3	3-4
987.1	3.2	95	11	3-4
988.1	2.6	116	6	3-4
989.4	2.3	223	19	3-4
989.9	4.3	45	7	3-4
990	4.3	751	302	3-4
991.9	2.9	70	15	3-4
992.8	2.1	47	3	3-4
995.4	3.3	30	2	3-4
995.5	.	1	0	3-4
996.00	3.4	87	12	3-4
996.30	2.2	179	21	3-4
996.31	4.2	721	229	3-4
996.63(90)	3.5	170	31	3-4
996.82(89)	2.8	37	6	3-4
997.60	3.4	668	155	3-4
998.9	2.2	496	34	3-4
999.2	2.6	340	69	3-4
999.4	3.0	33	4	3-4
999.9	3.1	319	84	3-4

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 4

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
V55.1	6.0	0.609	1.686	4-3
011.90	7.1	1.479	0.870	4-4
011.93	7.2	1.540	0.995	4-4
038.42	8.6	0.922	0.773	4-2
049.9	5.7	1.304	0.464	4-2
054.3	8.3	1.715	0.714	4-2
070.1	4.5	0.877	0.502	4-2
070.3	7.9	1.418	0.742	4-2
141.0	6.6	0.923	1.448	4-3
148.1	4.6	10.190	0.000	4-2
150.4	11.0	14.484	1.257	4-4
151.0	10.4	2.102	2.231	4-4
151.1	7.5	2.177	0.977	4-4
151.2	8.3	1.797	1.400	4-4
151.4	11.0	2.199	1.611	4-4
151.5	7.1	1.370	1.297	4-4
151.6	7.2	1.758	1.072	4-4
152.0	10.4	3.638	1.254	4-4
152.2	5.9	0.686	0.541	4-1
153.1	4.5	0.715	0.659	4-1
153.7	5.0	0.791	0.651	4-1
154.0	6.4	0.826	0.808	4-2
154.1	4.8	0.677	0.874	4-3
156.2	9.2	1.504	1.455	4-4
158.0	9.1	1.947	1.859	4-4
161.8	5.3	0.993	1.285	4-3
161.9	11.3	1.400	1.517	4-4
180.8	6.4	1.294	1.258	4-4
180.9	7.2	1.027	1.461	4-3
183.0	11.3	1.743	1.127	4-4
184.0	4.9	0.659	1.635	4-3
189.0	7.0	1.227	0.967	4-4
191.1	8.2	25.717	2.943	4-4
191.2	6.1	101.973	2.616	4-4
191.3	7.1	117.170	1.508	4-4
191.8	9.6	58.155	0.822	4-2
193	4.6	1.014	0.491	4-2
196.0	6.9	0.954	1.328	4-3
196.5	4.5	0.499	1.677	4-3
197.4	10.7	2.673	1.786	4-4
198.1	8.5	1.110	1.308	4-4
198.2	9.7	1.527	1.772	4-4
198.82	7.4	1.099	1.417	4-4
202.81	8.2	2.611	1.742	4-4
202.85	7.7	2.333	2.085	4-4
225.0	4.7	1.913	0.796	4-2
235.7	6.7	1.475	1.883	4-4
237.5	8.0	3.593	2.800	4-4
238.4	5.8	0.775	0.844	4-3
239.0	8.3	2.032	1.378	4-4
239.6	9.8	4.088	3.082	4-4
250.11(88)	6.2	0.766	0.868	4-3
250.11(89)	5.5	0.812	0.826	4-2
250.11(90)	5.5	0.783	0.818	4-1
250.40(88)	6.9	1.015	1.064	4-3
250.40(89)	6.5	1.057	1.105	4-4
250.40(90)	5.3	1.025	0.742	4-2
250.41(88)	6.4	1.068	1.097	4-4
250.41(89)	5.0	1.117	0.917	4-4
250.41(90)	5.8	0.873	0.945	4-3
250.70(88)	5.5	1.106	1.094	4-4
250.70(89)	5.1	1.153	0.911	4-4
250.70(90)	4.6	1.242	0.917	4-4
250.71(88)	4.7	1.364	0.911	4-4
250.71(89)	4.5	1.131	1.020	4-4
250.71(90)	4.4	1.199	0.991	4-4
251.0	4.9	0.717	0.955	4-3
263.8	11.2	1.810	1.466	4-4
276.1	4.4	0.701	0.686	4-1
276.3	5.9	0.648	0.934	4-3
276.7	8.1	0.660	0.969	4-3
276.9	6.3	0.904	0.759	4-2
283.0	6.3	0.970	0.708	4-2
283.9	7.4	1.068	0.896	4-4
284.8	9.0	1.500	1.464	4-4
284.9	7.9	1.591	1.555	4-4
285.1	5.5	0.760	0.924	4-3
285.8	6.8	1.555	1.316	4-4
285.9	6.8	0.868	1.292	4-3
286.5	5.0	0.605	0.687	4-1
286.7	7.3	0.844	0.756	4-2
286.9	7.3	0.891	0.823	4-2
287.3	5.2	1.235	0.676	4-2
287.4	6.0	0.742	0.914	4-3
287.5	9.4	1.408	1.093	4-4
288.0	5.9	0.705	0.998	4-3
288.8	9.2	1.627	1.749	4-4
289.59	7.9	1.137	0.924	4-4
289.8	10.8	2.059	2.397	4-4
289.9	6.7	0.932	1.163	4-3
293.9	4.6	0.665	0.847	4-3
322.9	8.7	1.817	0.480	4-2
323.9	7.9	1.839	0.885	4-4
336.9	5.8	1.634	1.230	4-4
344.1	5.1	1.098	1.078	4-4
345.3	7.9	1.331	1.142	4-4
348.3	8.6	1.205	1.079	4-4
348.8	7.8	1.424	1.509	4-4
349.82	5.7	0.847	0.878	4-3
394.0	5.6	1.209	0.467	4-2
394.2	5.8	1.110	0.508	4-2
396.0	9.4	1.826	0.662	4-2
396.2	9.8	1.303	0.792	4-2
396.3	6.2	1.119	0.517	4-2
396.8	7.7	1.382	0.649	4-2
398.91	10.6	1.493	1.619	4-4
402.11	6.2	0.764	1.031	4-3
402.91	5.9	0.673	1.056	4-3
403.11(90)	7.8	1.396	0.881	4-4
403.9 (88)	6.9	1.316	0.869	4-4
403.9 (89)	5.7	1.215	1.022	4-4
403.91(90)	6.4	1.288	1.034	4-4
404.03(90)	7.4	1.770	0.922	4-4
404.9 (89)	10.0	1.492	1.398	4-4
404.91(90)	8.0	1.130	1.463	4-4
404.92(90)	7.8	1.027	1.465	4-3
410.12(90)	9.8	0.837	0.447	4-2
410.42(90)	9.0	0.729	0.322	4-1
410.7 (88)	9.4	0.906	0.818	4-2
410.7 (89)	9.3	0.987	0.798	4-2
410.70(90)	8.1	0.808	0.830	4-3
410.71(90)	9.4	0.944	0.793	4-2
410.72(90)	8.5	0.971	0.322	4-2
411.0	4.5	0.478	0.308	4-1
416.0	11.2	1.660	1.522	4-4
421.0	9.3	1.757	0.801	4-2
423.9	5.4	0.636	0.684	4-1
424.1	5.8	0.796	0.552	4-1
425.5	10.7	1.235	1.181	4-4
426.0	5.9	0.492	0.591	4-1
427.1	7.2	0.686	0.792	4-1
427.9	5.4	0.445	0.607	4-1
428.0	10.8	1.068	1.331	4-5
429.2	7.2	0.737	0.602	4-1
434.1	11.1	1.298	0.913	4-4
437.3	5.0	1.469	0.714	4-2
437.8	5.3	0.751	0.858	4-3
438	8.0	0.963	1.175	4-3
440.0	5.3	1.043	0.534	4-2
440.2	4.5	1.100	0.794	4-2
440.9	9.1	1.229	0.798	4-2
441.4	5.5	0.967	0.473	4-2
443.89	4.8	1.181	0.778	4-2
444.0	10.5	1.722	0.610	4-2
444.21	6.6	0.643	0.905	4-3
444.22	5.9	0.940	0.747	4-2
444.81	5.9	0.881	0.770	4-2
444.89	6.2	1.063	0.685	4-2
447.6	4.8	1.471	0.861	4-4
458.9	9.6	0.722	0.899	4-3
459.89	6.2	0.892	1.034	4-3
459.9	8.6	1.142	0.917	4-4
480.9	5.9	0.772	0.462	4-1
481	9.7	0.953	0.813	4-2
482.2	5.5	0.725	0.710	4-1
482.3	9.1	0.970	0.815	4-2
482.9	10.7	1.157	0.891	4-4
483	6.1	0.862	0.566	4-2
487.0	7.6	0.748	0.506	4-1
492.0	9.8	1.758	1.319	4-4
492.8	9.1	1.375	1.454	4-4
496	6.9	1.031	1.233	4-3
510.0	9.7	2.025	0.973	4-4
510.9	10.9	1.749	0.860	4-4
511.8	9.8	1.283	1.304	4-4
511.9	11.2	1.308	1.477	4-4
512.8	7.0	0.991	0.902	4-3
513.0	10.3	1.973	1.167	4-4
515	10.3	1.826	1.348	4-4
516.8	10.4	1.408	0.843	4-4
518.0	8.2	1.153	1.094	4-4
518.3	8.3	1.090	1.066	4-4
518.89(88)	4.9	0.667	1.059	4-3
518.89(89)	5.5	0.830	0.982	4-3
519.0	4.8	1.055	1.166	4-4
519.8	5.1	0.667	0.875	4-3
528.0	5.7	1.025	0.940	4-3
530.8	6.5	0.976	0.909	4-3
532.00	4.7	0.633	0.519	4-1
532.41	4.7	0.887	0.426	4-2
533.00	6.6	0.724	0.709	4-1
533.40	5.7	0.656	0.737	4-1
537.0	5.1	1.078	0.805	4-2
537.3	5.9	1.688	1.356	4-4
537.89	4.4	0.551	0.763	4-1
550.00	9.0	1.238	0.456	4-2
551.00	5.8	0.850	0.366	4-2
551.21	5.2	0.869	0.422	4-2
552.3	5.1	0.800	0.424	4-2
552.8	5.0	0.727	0.418	4-1
557.1	5.0	0.695	0.713	4-1
560.1	5.1	0.692	0.807	4-1
560.2	10.2	1.337	0.904	4-4
560.31	5.9	0.883	0.396	4-2
560.39	5.3	0.666	1.010	4-3
560.89	8.5	1.257	0.971	4-4
560.9	7.4	0.840	0.725	4-2
564.7	5.8	1.355	1.072	4-4
568.89	9.3	1.162	0.668	4-2
569.3	5.4	0.575	0.792	4-1
569.5	5.1	1.414	0.467	4-2
569.81	4.8	1.454	0.924	4-4
569.89	5.6	0.811	0.718	4-2
571.1	9.1	2.020	0.989	4-4
571.49	7.2	1.711	1.107	4-4
572.0	5.5	1.289	0.343	4-2
573.3	5.0	0.868	0.626	4-2
573.8	7.4	1.084	0.935	4-4
576.1	5.4	0.741	0.664	4-1
576.2	6.6	1.275	1.305	4-4
576.8	10.2	1.504	1.428	4-4
577.0	4.4	0.620	0.443	4-1
578.1	6.0	0.649	0.778	4-1
578.9	8.9	0.815	0.887	4-3
580.9	8.0	1.019	0.943	4-3
582.9	5.9	1.210	0.877	4-4
585	10.1	1.685	1.204	4-4
590.2	4.5	1.032	0.461	4-2
593.81	5.1	0.844	0.642	4-2
593.9	6.2	0.963	1.012	4-3
596.1	4.6	1.404	0.529	4-2
599.0	6.3	0.869	1.017	4-3
599.6	4.8	0.633	0.721	4-1
695.1	6.0	1.049	0.635	4-2
707.0	7.4	2.439	1.590	4-4
728.89	5.2	0.735	0.524	4-1
780.9	4.7	0.578	0.538	4-1
782.4	9.1	1.449	0.951	4-4
783.0	6.4	1.082	1.111	4-4
783.3	6.9	1.033	1.844	4-4
783.4	10.8	1.449	1.557	4-4
785.4	9.3	1.617	1.176	4-4
786.09	6.9	0.841	0.838	4-3
786.3	6.8	0.642	0.963	4-3
786.6	4.8	1.241	1.707	4-4
787.2	6.6	1.091	1.564	4-4
788.9	8.2	0.923	1.163	4-3
789.3	6.1	1.086	1.168	4-4
789.5	10.9	2.079	1.716	4-4
790.6	7.3	0.810	0.876	4-3
790.7	6.4	0.585	0.751	4-1
799.0	10.9	1.182	1.393	4-4
805.02	6.6	0.902	0.573	4-2
807.09	5.2	0.749	0.657	4-1
808.43	5.6	0.640	0.526	4-1
820.21	4.4	0.681	0.650	4-1
820.22	4.5	0.716	0.596	4-1
820.31	4.8	0.729	0.701	4-1
821.00	6.5	0.873	0.790	4-2
851.80	9.1	1.422	0.698	4-2
851.81	5.8	0.913	0.648	4-2
852.21	9.5	1.368	0.620	4-2
854.06	5.1	0.694	0.593	4-1
860.0	5.0	0.751	0.557	4-1
860.2	6.3	0.751	0.662	4-1
860.4	7.5	1.124	0.423	4-2
861.21	5.7	0.937	0.558	4-2
867.0	5.3	0.664	1.020	4-3
946.2	4.8	0.912	0.331	4-2
965.09	7.1	1.127	1.111	4-4
965.1	5.2	0.533	0.691	4-1
965.4	6.3	0.762	0.877	4-3
972.1	5.1	0.544	0.938	4-3
974.1	7.0	0.831	1.138	4-3
975.7	6.1	0.859	1.095	4-3
987.9	4.7	0.529	0.805	4-1
992.0	7.2	1.036	0.690	4-2
996.02	9.1	1.600	0.609	4-2
996.03	5.0	0.599	0.393	4-1
996.64(90)	4.5	0.735	1.117	4-3
996.71(90)	7.8	1.304	0.784	4-2
997.0	6.7	1.084	0.576	4-2
OTHER	7.2	1.304	1.080	4-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 4

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
V10.05	10.0	11	3	4-0
V10.3	10.0	10	2	4-0
V57.3	5.0	21	4	4-0
V64.1	8.3	12	1	4-0
V66.5	9.1	11	2	4-0
003.1	11.0	788	274	4-0
003.29	5.0	20	6	4-0
005.1	5.3	19	4	4-0
006.0	6.3	62	11	4-0
006.1	6.3	16	5	4-0
006.8	4.5	21	3	4-0
007.2	5.3	19	10	4-0
010.83	8.3	12	4	4-0
010.90	8.3	12	1	4-0
011.00	8.7	93	32	4-0
011.03	5.1	137	40	4-0
011.04	9.5	42	21	4-0
011.06	8.6	35	10	4-0
011.13	4.5	22	4	4-0
011.20	8.0	352	105	4-0
011.22	9.2	65	15	4-0
011.23	5.2	323	95	4-0
011.24	4.5	111	27	4-0
011.25	7.3	40	9	4-0
011.26	8.5	71	19	4-0
011.30	5.9	17	5	4-0
011.33	8.3	13	3	4-0
011.44	7.1	14	5	4-0
011.46	5.0	20	4	4-0
011.53	10.7	28	12	4-0
011.62	5.1	39	14	4-0
011.63	8.5	224	103	4-0
011.65	6.7	15	8	4-0
011.80	4.7	86	27	4-0
011.83	5.6	91	28	4-0
011.85	6.3	16	4	4-0
011.91	7.7	26	8	4-0
011.94	7.0	445	158	4-0
011.96	7.9	242	63	4-0
012.04	6.1	32	10	4-0
012.05	8.1	37	13	4-0
013.00	7.3	107	51	4-0
013.04	5.9	17	6	4-0
015.05	6.7	15	2	4-0
016.00	4.5	22	3	4-0
016.05	10.0	10	2	4-0
017.26	11.1	9	3	4-0
017.95	6.3	16	6	4-0
018.04	10.0	19	9	4-0
018.05	5.6	18	9	4-0
018.93	7.9	39	21	4-0
018.95	7.5	40	14	4-0
018.96	5.3	19	11	4-0
021.2	7.7	13	1	4-0
031.0	9.4	637	290	4-0
031.8	10.0	89	46	4-0
031.9	5.3	75	32	4-0
033.8	10.0	10	4	4-0
039.1	10.7	269	107	4-0
039.3	5.6	18	3	4-0
039.8	5.1	117	29	4-0
039.9	9.5	21	7	4-0
041.2	5.6	18	9	4-0
041.3	7.5	252	86	4-0
041.4	5.0	676	156	4-0
041.6	7.6	223	83	4-0
041.7	5.5	440	146	4-0
041.8	6.5	336	84	4-0
042.2 (90)	10.0	20	18	4-0
043.3 (88)	10.0	20	15	4-0
043.9 (88)	7.4	27	10	4-0
043.9 (89)	4.5	23	9	4-0
043.9 (90)	11.1	9	4	4-0
044.9 (89)	9.1	22	13	4-0
046.3	7.1	112	75	4-0
048	7.5	200	46	4-0
049.8	6.7	60	16	4-0
052.1	9.3	86	25	4-0
052.7	5.7	123	21	4-0
053.0	9.4	85	19	4-0
054.13	10.0	10	5	4-0
054.2	5.2	211	80	4-0
054.72	9.4	32	5	4-0
062.3	5.0	20	7	4-0
070.5	5.4	463	104	4-0
070.9	7.7	882	163	4-0
074.0	5.0	20	1	4-0
083.1	9.1	10	3	4-0
084.0	5.6	36	3	4-0
084.9	9.1	11	3	4-0
087.9	6.9	29	8	4-0
097.0	5.1	59	11	4-0
097.9	9.5	21	3	4-0
098.89	8.0	25	5	4-0
110.3	4.5	23	6	4-0
110.5	6.3	17	3	4-0
110.8	5.0	20	4	4-0
112.0	7.9	468	202	4-0
112.2	4.6	552	202	4-0
112.89	6.4	861	331	4-0
114.0	4.5	442	70	4-0
114.2	5.1	42	13	4-0
114.3	9.3	97	22	4-0
115.09	7.7	13	4	4-0
115.90	6.9	115	32	4-0
115.95	9.4	53	16	4-0
115.99	8.7	45	15	4-0
116.0	10.4	182	51	4-0
118	10.0	20	5	4-0
125.6	8.3	12	2	4-0
127.0	6.3	16	2	4-0
128.0	7.7	39	17	4-0
130.0	9.5	63	48	4-0
133.0	6.1	99	27	4-0
134.0	7.7	13	5	4-0
136.9	6.8	500	157	4-0
140.9	6.3	79	15	4-0
141.6	8.3	120	55	4-0
141.8	6.3	745	332	4-0
142.8	4.5	22	9	4-0
144.8	4.6	669	213	4-0
144.9	7.3	716	227	4-0
145.1	6.0	67	19	4-0
145.5	7.4	269	75	4-0
145.8	6.7	344	137	4-0
146.0	7.7	821	336	4-0
146.1	5.9	270	105	4-0
146.4	10.8	37	11	4-0
146.8	9.6	272	153	4-0
147.0	5.6	18	8	4-0
147.1	9.0	154	73	4-0
147.2	7.5	40	22	4-0
147.3	10.2	107	32	4-0
148.0	4.5	67	43	4-0
148.2	5.4	92	33	4-0
148.3	5.9	152	87	4-0
148.8	9.3	288	163	4-0
149.8	8.7	199	104	4-0
150.1	10.2	302	216	4-0
152.1	5.8	503	199	4-0
152.3	7.4	52	25	4-0
152.8	8.0	526	276	4-0
152.9	11.2	497	253	4-0
153.5	4.6	543	155	4-0
154.3	7.1	590	206	4-0
157.3	10.1	353	269	4-0
158.8	10.4	882	496	4-0
159.1	8.1	37	19	4-0
160.2	8.0	673	306	4-0
160.3	9.0	133	50	4-0
160.4	6.3	31	11	4-0
160.8	6.7	164	62	4-0
162.0	11.1	366	249	4-0
163.0	7.5	239	164	4-0
164.0	10.3	258	80	4-0
164.3	8.6	80	56	4-0
170.0	4.4	499	176	4-0
170.1	5.7	493	164	4-0
170.2	5.7	330	176	4-0
170.3	8.4	153	50	4-0
170.4	6.1	147	53	4-0
170.5	5.0	40	8	4-0
170.6	7.8	425	199	4-0
170.8	5.3	57	14	4-0
171.0	5.4	755	291	4-0
171.4	7.5	510	197	4-0
171.6	7.2	639	271	4-0
171.7	5.6	198	59	4-0
173.8	7.2	265	79	4-0
182.8	7.8	387	166	4-0
183.8	6.8	147	70	4-0
183.9	7.7	26	12	4-0
184.8	5.9	119	51	4-0
184.9	10.6	47	24	4-0
187.4	4.5	376	100	4-0
189.8	5.4	148	46	4-0
190.7	5.3	18	4	4-0
190.9	6.8	162	24	4-0
191.0	10.1	882	732	4-0
191.4	6.0	668	530	4-0
191.5	7.9	153	108	4-0
192.1	8.5	796	325	4-0
192.2	6.5	353	150	4-0
192.3	8.5	69	30	4-0
194.0	9.4	445	238	4-0
194.3	4.8	124	43	4-0
194.4	10.7	27	14	4-0
194.8	11.1	9	3	4-0
194.9	7.7	13	7	4-0
198.6	7.2	536	267	4-0
200.01	6.3	440	218	4-0
200.03	9.9	849	483	4-0
200.04	5.1	100	56	4-0
200.05	4.8	145	71	4-0
200.11	5.7	559	192	4-0
200.12	8.1	245	109	4-0
200.13	9.3	826	404	4-0
200.14	7.8	141	62	4-0
200.15	6.1	163	77	4-0
200.16	5.4	93	37	4-0
200.17	6.1	115	23	4-0
200.25	10.0	10	6	4-0
200.81	5.9	612	272	4-0
200.85	8.3	220	108	4-0
200.86	5.9	85	47	4-0
201.48	7.1	14	6	4-0
201.50	8.9	56	29	4-0
201.53	4.7	43	22	4-0
201.60	7.8	51	31	4-0
201.61	4.7	106	47	4-0
201.67	9.1	11	2	4-0
201.71	5.3	19	13	4-0
201.72	9.1	11	6	4-0
201.75	11.1	18	8	4-0
201.91	5.3	149	58	4-0
201.92	8.0	111	59	4-0
201.93	11.1	163	107	4-0
202.02	6.0	168	69	4-0
202.03	6.5	735	262	4-0
202.04	4.6	175	54	4-0
202.10	7.7	377	129	4-0
202.15	4.5	22	9	4-0
202.18	8.6	161	79	4-0
202.20	6.2	80	31	4-0
202.28	7.3	41	13	4-0
202.31	7.7	13	5	4-0
202.43	8.3	24	6	4-0
202.60	7.5	39	8	4-0
202.68	11.1	9	3	4-0
202.84	9.5	679	352	4-0
202.86	9.1	463	241	4-0
202.87	6.2	292	107	4-0
202.91	4.5	21	5	4-0
202.93	7.7	13	10	4-0
202.98	7.1	14	9	4-0
203.8	6.4	499	194	4-0
205.3	9.5	42	32	4-0
211.7	6.0	216	47	4-0
212.2	5.6	54	7	4-0
212.7	5.2	386	57	4-0
213.9	9.1	11	2	4-0
219.8	8.7	23	2	4-0
228.1	4.5	579	165	4-0
230.6	6.7	15	2	4-0
230.9	10.0	20	10	4-0
235.3	8.6	314	161	4-0
235.5	8.0	407	175	4-0
235.6	4.9	61	13	4-0
238.8	10.6	402	148	4-0
239.1	11.0	883	461	4-0
239.2	4.6	349	79	4-0
239.7	4.6	519	115	4-0
242.01	6.9	116	15	4-0
242.21	7.0	86	17	4-0
242.81	8.3	36	6	4-0
242.91	8.1	223	48	4-0
244.2	7.1	14	4	4-0
244.8	4.6	194	44	4-0
251.8	5.4	519	148	4-0
253.5	5.5	305	80	4-0
253.9	9.1	33	6	4-0
255.0	4.7	278	77	4-0
255.3	4.7	43	8	4-0
256.3	8.3	12	2	4-0
258.1	5.0	40	6	4-0
259.2	11.1	226	114	4-0
260	10.6	189	101	4-0
263.0	7.9	229	108	4-0
265.0	8.3	12	2	4-0
265.1	4.4	315	47	4-0
265.2	5.6	18	5	4-0
266.9	6.3	16	3	4-0
269.3	8.7	22	7	4-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 4

	OTHER					OTHER					OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
269.8	11.0	110	46	4-0	397.9	10.4	48	16	4-0	534.51	6.7	15	6	4-0
269.9	5.3	283	111	4-0	398.90	7.2	419	95	4-0	534.60	7.5	40	9	4-0
270.7	4.8	21	5	4-0	403.1 (88)	4.5	224	63	4-0	536.1	7.7	470	117	4-0
272.2	5.1	40	8	4-0	403.1 (89)	6.6	246	82	4-0	537.2	5.0	19	7	4-0
272.7	4.5	44	7	4-0	404.02(90)	4.4	113	26	4-0	537.4	8.5	504	199	4-0
273.0	5.4	37	10	4-0	404.1 (89)	8.1	97	45	4-0	550.01	7.2	363	60	4-0
273.2	5.7	157	61	4-0	404.10(90)	11.1	9	2	4-0	550.03	7.1	14	2	4-0
273.3	9.3	892	416	4-0	404.11(90)	8.9	90	32	4-0	551.02	11.1	18	2	4-0
273.8	11.2	535	263	4-0	404.90(90)	9.6	114	32	4-0	551.1	9.7	361	84	4-0
273.9	7.4	54	21	4-0	410.02(90)	10.5	86	17	4-0	552.9	6.2	738	124	4-0
275.1	8.1	37	8	4-0	410.22(90)	9.1	77	11	4-0	560.0	4.9	490	90	4-0
275.8	8.3	12	7	4-0	414.10	9.7	722	157	4-0	560.30	5.6	710	201	4-0
277.5	11.1	10	2	4-0	414.11	8.5	81	8	4-0	568.81	11.1	675	192	4-0
277.9	6.5	63	21	4-0	414.19	6.7	31	3	4-0	568.82	6.8	44	9	4-0
278.3	7.1	14	2	4-0	416.1	10.3	29	8	4-0	568.9	6.3	32	9	4-0
278.4	9.1	22	5	4-0	417.0	8.5	59	8	4-0	569.9	5.7	439	82	4-0
279.03	6.7	15	4	4-0	417.1	10.7	56	13	4-0	571.0	10.0	209	60	4-0
279.2	10.0	10	5	4-0	417.8	9.8	93	28	4-0	571.40	5.7	406	101	4-0
279.3	8.0	25	10	4-0	421.9	8.2	355	113	4-0	572.1	8.3	36	13	4-0
279.4	5.8	104	25	4-0	422.91	7.7	234	40	4-0	573.0	9.5	453	213	4-0
282.63	5.9	17	1	4-0	423.2	8.3	652	199	4-0	573.9	9.4	764	284	4-0
282.7	5.6	18	3	4-0	423.8	5.9	692	176	4-0	575.2	4.5	245	75	4-0
282.9	6.3	742	238	4-0	424.2	7.8	103	23	4-0	575.4	10.2	893	206	4-0
283.1	9.9	493	176	4-0	424.90	9.0	696	200	4-0	576.5	7.7	143	30	4-0
283.2	4.8	145	32	4-0	424.99	10.0	20	8	4-0	582.4	6.1	33	8	4-0
286.0	4.6	349	87	4-0	425.0	10.8	84	34	4-0	590.11	6.1	164	30	4-0
286.2	5.9	17	1	4-0	425.3	5.6	18	5	4-0	590.9	6.9	146	25	4-0
286.3	6.3	221	46	4-0	425.9	8.8	736	232	4-0	596.6	9.9	181	62	4-0
287.8	7.7	52	15	4-0	426.4	4.6	453	60	4-0	608.83	4.7	550	98	4-0
288.1	4.5	66	14	4-0	426.50	8.9	112	14	4-0	618.7	5.0	20	2	4-0
288.2	7.1	14	6	4-0	426.51	11.1	27	6	4-0	623.9	11.1	9	1	4-0
288.9	8.7	23	7	4-0	429.3	4.9	860	145	4-0	642.71	4.5	44	2	4-0
295.03	11.1	9	3	4-0	429.79(90)	8.0	50	12	4-0	674.34	9.1	11	1	4-0
307.1	5.1	317	53	4-0	433.8	4.5	879	141	4-0	694.4	5.3	381	133	4-0
307.41	11.1	9	3	4-0	433.9	7.9	114	25	4-0	694.60	6.3	16	2	4-0
308.4	5.9	17	3	4-0	437.4	5.1	314	96	4-0	694.8	5.4	56	19	4-0
308.9	5.7	212	22	4-0	437.5	10.3	29	4	4-0	695.0	6.3	80	14	4-0
322.0	4.4	68	12	4-0	442.1	10.0	189	29	4-0	710.9	5.0	419	85	4-0
323.5	7.7	13	2	4-0	442.82	8.5	140	27	4-0	711.01	5.1	863	176	4-0
323.8	6.2	210	69	4-0	442.83	6.3	222	30	4-0	711.09	6.2	209	49	4-0
324.1	5.1	412	84	4-0	442.89	7.5	173	32	4-0	712.96	4.5	22	2	4-0
331.1	6.0	50	11	4-0	446.0	4.5	677	185	4-0	714.33	7.7	14	1	4-0
333.4	4.7	378	67	4-0	446.2 (88)	5.1	237	68	4-0	714.81	9.7	528	206	4-0
333.91	11.1	27	7	4-0	446.2 (89)	4.7	213	60	4-0	718.49	6.8	72	10	4-0
333.99	4.6	624	114	4-0	446.2 (90)	6.9	232	65	4-0	719.15	4.7	86	19	4-0
334.0	5.0	60	3	4-0	446.4	7.1	621	221	4-0	721.6	7.7	26	3	4-0
335.10	10.8	37	7	4-0	446.7	4.9	41	2	4-0	728.0	4.4	225	47	4-0
335.19	7.1	14	4	4-0	447.4	8.1	61	15	4-0	729.39	4.5	180	34	4-0
335.23	4.9	405	159	4-0	447.9	4.9	103	17	4-0	730.38	8.3	12	2	4-0
336.1	6.2	821	209	4-0	453.1	7.6	145	66	4-0	732.1	5.9	34	4	4-0
341.9	6.2	226	45	4-0	453.2	10.5	510	213	4-0	737.10	4.8	125	16	4-0
342.0	5.8	106	31	4-0	453.3	5.4	112	29	4-0	738.2	5.3	19	5	4-0
343.0	4.7	43	10	4-0	456.8	10.7	864	270	4-0	739.4	7.7	13	2	4-0
343.9	6.7	195	37	4-0	458.1	9.2	184	55	4-0	739.9	5.3	19	1	4-0
344.5	6.1	33	7	4-0	464.11	8.9	101	30	4-0	742.2	11.1	18	6	4-0
345.7 (88)	5.5	253	69	4-0	472.1	4.9	41	6	4-0	744.41	11.1	9	3	4-0
345.7 (89)	9.0	233	66	4-0	472.2	6.7	15	1	4-0	745.0	5.3	19	6	4-0
345.70(90)	8.8	204	65	4-0	476.1	4.8	21	3	4-0	745.2	8.8	69	17	4-0
345.71(90)	9.5	42	12	4-0	477.0	5.9	17	4	4-0	746.2	5.6	18	2	4-0
348.2	5.2	244	46	4-0	478.32	4.8	125	39	4-0	746.81	6.3	16	1	4-0
348.9	11.2	251	90	4-0	478.9	5.5	110	21	4-0	746.87	5.0	20	1	4-0
349.1	9.5	20	6	4-0	480.1	10.5	57	12	4-0	746.9	7.3	54	7	4-0
349.89	4.6	614	156	4-0	480.2	6.1	263	55	4-0	747.0	5.2	59	9	4-0
349.9	7.1	307	83	4-0	480.8	8.3	791	228	4-0	747.10	9.1	22	2	4-0
350.9	5.9	17	4	4-0	495.0	9.7	31	6	4-0	747.22	7.8	267	63	4-0
357.9	7.1	15	7	4-0	500	5.9	658	179	4-0	747.9	8.7	23	5	4-0
358.8	7.0	129	37	4-0	505	8.9	122	41	4-0	754.32	5.0	20	1	4-0
358.9	9.9	161	63	4-0	506.1	7.3	42	10	4-0	755.59	5.3	38	2	4-0
359.4	4.7	635	212	4-0	507.1	8.3	203	71	4-0	756.3	11.1	9	1	4-0
360.12	6.3	16	1	4-0	508.1	8.8	262	160	4-0	757.33	5.3	19	4	4-0
362.13	5.9	17	2	4-0	511.1	10.4	899	386	4-0	782.8	11.1	18	6	4-0
369.3	4.8	21	5	4-0	516.0	8.6	35	8	4-0	786.1	5.5	199	54	4-0
373.00	4.8	21	3	4-0	516.9	8.3	12	6	4-0	786.4	10.0	10	3	4-0
373.8	7.7	13	3	4-0	518.2	10.1	69	24	4-0	786.9	5.7	157	21	4-0
376.32	6.3	32	7	4-0	519.9	8.1	186	55	4-0	787.3	5.9	771	144	4-0
376.50	7.1	14	1	4-0	520.8	10.0	10	4	4-0	789.1	7.6	407	123	4-0
376.9	9.1	11	2	4-0	522.1	7.4	27	4	4-0	789.4	10.0	10	2	4-0
380.89	5.0	20	2	4-0	522.9	9.1	12	1	4-0	789.9	7.9	38	7	4-0
384.1	4.8	42	4	4-0	527.0	5.0	20	3	4-0	791.3	10.0	31	7	4-0
388.32	5.3	19	2	4-0	527.4	10.0	20	6	4-0	791.9	5.2	58	7	4-0
391.0	10.2	159	44	4-0	528.1	11.1	9	4	4-0	793.1	4.5	526	132	4-0
391.1	8.0	174	52	4-0	531.51	10.8	213	59	4-0	797	7.5	374	126	4-0
391.8	8.0	88	25	4-0	531.61	10.8	94	34	4-0	799.2	5.4	56	10	4-0
391.9	6.3	78	24	4-0	532.01	4.6	834	157	4-0	799.3	5.3	152	55	4-0
392.0	4.5	21	5	4-0	532.11	11.1	333	94	4-0	799.9	8.0	417	99	4-0
394.1	6.0	851	147	4-0	532.51	10.1	324	78	4-0	800.10	9.6	52	15	4-0
394.9	6.1	263	51	4-0	533.01	5.6	124	20	4-0	800.13	11.1	9	4	4-0
395.0	5.5	621	89	4-0	533.51	7.3	55	13	4-0	800.14	11.1	9	1	4-0
396.1	6.9	567	106	4-0	534.20	8.6	57	13	4-0	800.19	7.1	14	2	4-0
396.9	5.7	122	27	4-0	534.31	5.5	73	11	4-0	800.21	5.7	88	23	4-0
397.0	6.7	326	80	4-0	534.41	10.0	69	17	4-0	800.24	7.1	14	3	4-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 4

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
800.31	10.7	28	5	4-0
800.51	4.5	23	6	4-0
800.56	10.0	10	1	4-0
800.61	10.8	37	8	4-0
800.62	5.9	17	4	4-0
800.71	7.7	13	2	4-0
800.81	10.0	10	3	4-0
801.00	4.9	432	61	4-0
801.03	5.6	18	3	4-0
801.06	9.5	199	37	4-0
801.10	7.1	156	38	4-0
801.11	6.5	154	24	4-0
801.12	10.0	148	26	4-0
801.21	9.4	222	58	4-0
801.24	8.6	35	14	4-0
801.31	10.7	84	26	4-0
801.46	8.7	23	3	4-0
801.60	5.0	20	5	4-0
801.61	6.7	15	2	4-0
802.30	6.1	49	6	4-0
802.38	4.7	106	12	4-0
803.00	4.8	147	23	4-0
803.06	11.1	35	7	4-0
803.11	10.0	40	8	4-0
803.12	6.7	30	4	4-0
803.51	10.0	10	1	4-0
804.00	4.9	40	6	4-0
804.01	8.6	35	6	4-0
804.04	10.0	10	2	4-0
804.20	5.6	18	8	4-0
804.22	10.0	10	4	4-0
804.30	11.1	9	4	4-0
805.00	7.5	496	106	4-0
805.01	7.5	876	185	4-0
805.03	6.1	148	29	4-0
805.04	5.6	179	28	4-0
805.05	6.9	323	53	4-0
805.07	4.5	220	32	4-0
805.08	6.4	465	101	4-0
806.20	7.2	151	32	4-0
806.21	4.5	22	9	4-0
806.29	4.4	111	20	4-0
806.39	10.0	10	3	4-0
806.62	9.1	11	3	4-0
806.69	11.1	9	1	4-0
807.11	8.3	12	2	4-0
807.19	10.5	19	5	4-0
807.3	5.0	40	4	4-0
808.3	4.5	67	15	4-0
808.59	5.9	17	4	4-0
808.9	10.0	10	1	4-0
809.0	5.3	152	36	4-0
812.11	4.8	102	17	4-0
813.00	8.0	25	4	4-0
813.50	5.3	19	1	4-0
813.80	5.0	40	3	4-0
820.10	4.6	196	33	4-0
820.13	4.5	203	46	4-0
820.30	5.7	105	23	4-0
820.32	5.2	172	44	4-0
821.10	7.7	105	22	4-0
821.22	6.2	357	90	4-0
821.30	5.6	181	37	4-0
821.32	10.0	20	6	4-0
821.33	5.4	429	80	4-0
821.39	8.1	37	7	4-0
823.31	5.6	18	2	4-0
825.39	7.4	27	4	4-0
828.1	9.1	11	3	4-0
832.09	6.3	16	1	4-0
839.00	7.1	127	23	4-0
839.02	6.2	65	16	4-0
839.03	7.4	122	19	4-0
839.08	4.4	271	43	4-0
843.0	6.7	44	5	4-0
851.00	6.2	147	33	4-0
851.01	5.4	149	37	4-0
851.02	4.8	167	31	4-0
851.09	9.4	32	5	4-0
851.10	10.0	10	5	4-0
851.40	9.8	122	31	4-0
851.41	4.5	202	44	4-0
851.42	5.8	105	14	4-0
851.44	5.9	17	8	4-0
851.49	10.0	30	11	4-0
851.50	11.1	9	2	4-0
851.51	8.3	12	4	4-0
851.82	6.2	636	111	4-0
851.86	11.1	497	157	4-0
852.02	10.5	295	76	4-0
852.12	11.1	9	2	4-0
852.41	7.2	110	29	4-0
852.42	6.3	48	9	4-0
853.02	10.8	463	114	4-0
853.04	8.3	60	27	4-0
853.09	7.4	108	23	4-0
854.04	4.8	42	13	4-0
854.11	4.5	67	14	4-0
860.1	4.6	195	26	4-0
860.3	8.8	125	18	4-0
860.5	9.4	170	28	4-0
862.21	10.0	10	4	4-0
862.22	7.6	170	29	4-0
862.29	6.6	121	26	4-0
862.39	10.5	20	4	4-0
862.8	6.8	309	52	4-0
863.29	9.9	163	27	4-0
863.31	6.3	16	2	4-0
863.39	8.9	101	16	4-0
863.44	9.1	77	14	4-0
863.53	5.9	18	4	4-0
863.54	8.6	34	9	4-0
863.55	8.7	46	10	4-0
863.80	9.1	11	5	4-0
863.81	10.0	10	2	4-0
863.82	11.1	9	2	4-0
864.01	4.7	257	32	4-0
864.10	10.6	47	8	4-0
864.11	9.1	22	10	4-0
864.12	8.3	37	6	4-0
864.19	8.7	94	13	4-0
865.12	8.0	25	6	4-0
866.02	9.1	99	14	4-0
867.8	8.2	49	9	4-0
868.13	4.5	110	14	4-0
868.14	5.0	21	2	4-0
870.9	10.0	10	1	4-0
872.9	10.0	10	2	4-0
873.61	5.9	17	1	4-0
873.65	10.5	19	4	4-0
873.74	6.3	16	2	4-0
873.8	10.3	293	61	4-0
874.01	6.7	15	4	4-0
874.02	10.7	28	7	4-0
874.5	9.4	32	6	4-0
874.9	8.0	75	14	4-0
875.1	9.0	168	22	4-0
879.1	9.1	11	2	4-0
879.3	7.7	143	23	4-0
879.9	4.8	21	3	4-0
880.10	8.8	102	43	4-0
887.0	6.0	49	5	4-0
897.1	7.1	14	1	4-0
900.03	7.1	14	3	4-0
900.82	8.3	12	2	4-0
901.81	10.0	10	1	4-0
902.21	11.1	9	3	4-0
902.89	6.3	16	4	4-0
903.01	5.9	34	4	4-0
903.9	8.3	12	1	4-0
904.0	9.4	53	14	4-0
904.1	6.0	50	11	4-0
904.41	9.5	42	8	4-0
904.9	10.0	10	3	4-0
907.3	4.5	22	1	4-0
907.4	7.1	14	1	4-0
909.2	7.3	41	18	4-0
911.1	9.1	22	4	4-0
911.6	8.3	12	1	4-0
916.3	5.3	19	4	4-0
918.9	10.0	10	2	4-0
919.5	9.1	11	1	4-0
926.19	7.7	13	2	4-0
928.8	7.1	15	2	4-0
934.1	11.0	528	158	4-0
941.10	5.4	37	5	4-0
941.22	7.7	13	2	4-0
941.28	6.3	32	7	4-0
941.31	9.1	11	2	4-0
942.14	9.1	11	3	4-0
942.29	5.7	88	15	4-0
942.30	10.0	49	13	4-0
942.31	5.8	52	11	4-0
942.32	11.0	171	45	4-0
942.33	10.9	127	23	4-0
942.34	6.8	355	94	4-0
942.35	7.7	26	6	4-0
942.44	7.5	40	10	4-0
943.00	7.1	14	4	4-0
943.25	4.5	22	1	4-0
943.32	6.3	16	2	4-0
943.33	5.2	77	9	4-0
943.35	8.2	48	9	4-0
943.36	11.1	8	3	4-0
943.39	7.4	121	32	4-0
944.37	9.1	11	2	4-0
945.09	10.0	10	1	4-0
945.30	4.5	245	33	4-0
945.39	4.6	282	61	4-0
945.44	4.6	64	14	4-0
945.49	4.5	22	5	4-0
947.0	6.2	66	8	4-0
947.2	5.9	51	10	4-0
947.3	5.4	37	5	4-0
948.10	8.2	50	14	4-0
948.11	4.4	46	11	4-0
949.2	10.0	10	3	4-0
952.00	8.8	430	110	4-0
952.02	10.5	19	11	4-0
952.03	6.8	263	67	4-0
952.08	5.7	158	33	4-0
952.09	10.8	74	25	4-0
952.10	7.4	82	19	4-0
952.9	8.1	112	25	4-0
953.2	5.0	21	3	4-0
953.5	5.3	19	2	4-0
958.2	4.8	146	25	4-0
958.7	8.4	343	72	4-0
960.7	6.7	15	5	4-0
960.8	4.8	42	4	4-0
962.2	8.3	12	5	4-0
963.3	11.1	9	2	4-0
964.4	7.7	13	2	4-0
965.01	10.6	87	16	4-0
965.02	8.9	55	12	4-0
965.7	6.7	30	4	4-0
965.9	5.5	92	13	4-0
967.5	6.1	66	10	4-0
968.5	6.3	189	24	4-0
971.3	7.5	54	12	4-0
972.5	6.5	31	3	4-0
974.5	5.0	60	7	4-0
974.7	11.1	27	4	4-0
980.8	7.7	13	4	4-0
981	5.9	50	11	4-0
982.8	7.1	138	31	4-0
984.9	6.3	16	3	4-0
987.8	4.8	226	26	4-0
989.3	7.2	192	22	4-0
989.6	10.2	49	13	4-0
991.3	5.9	51	10	4-0
991.4	8.3	12	3	4-0
991.8	5.7	35	6	4-0
992.9	7.1	14	3	4-0
993.1	5.6	18	4	4-0
995.81	5.5	217	61	4-0
995.89	9.0	89	19	4-0
996.60(90)	9.2	141	39	4-0
996.70(90)	7.2	208	46	4-0
996.82(88)	6.5	31	7	4-0
996.83(88)	8.4	83	21	4-0
996.83(89)	5.1	141	29	4-0
996.83(90)	5.4	205	28	4-0
996.90	7.1	14	3	4-0
998.7	6.9	101	23	4-0
999.1	11.1	18	4	4-0
999.6	6.1	30	7	4-0
999.8	5.7	880	395	4-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 5

ICD-9 CODE	MORTALITY AT 16 DAYS	RELATIVE INITAL	RISK LONG TERM	RISK STRATA
038.0	18.6	0.850	0.821	5-3
038.1	19.2	1.276	0.954	5-3
038.2	22.6	0.892	0.680	5-2
038.3	23.7	1.246	0.988	5-3
038.40	24.3	0.959	0.906	5-3
038.43	19.5	0.892	0.924	5-3
038.49	16.9	0.848	0.938	5-3
038.8	20.5	1.027	0.968	5-3
038.9	32.4	1.283	1.063	5-3
112.4	16.5	1.085	0.852	5-3
136.3	17.8	1.572	1.422	5-4
149.0	17.8	1.697	1.082	5-4
150.3	12.9	7.066	0.593	5-2
150.5	11.3	5.233	0.374	5-2
150.8	19.1	5.708	0.726	5-2
150.9	27.3	3.095	1.804	5-4
151.3	11.3	2.115	0.745	5-2
151.8	13.8	2.034	0.726	5-2
151.9	23.3	1.757	1.312	5-4
153.8	11.7	0.861	0.546	5-2
153.9	21.8	1.159	0.789	5-2
155.0	28.6	5.001	1.203	5-4
155.1	19.6	5.548	0.757	5-2
155.2	33.4	4.733	1.773	5-4
156.0	15.5	1.402	2.186	5-3
156.1	13.9	2.059	1.465	5-4
157.0	15.1	5.049	1.255	5-4
157.1	17.4	8.401	1.326	5-4
157.2	21.2	3.421	1.830	5-4
157.8	22.5	4.420	1.781	5-4
157.9	33.3	3.319	2.467	5-4
162.2	22.2	2.144	2.038	5-4
162.3	12.7	1.474	1.011	5-4
162.4	15.0	1.505	1.114	5-4
162.5	12.1	1.774	0.913	5-4
162.8	28.4	2.248	1.772	5-4
162.9	36.3	2.155	2.185	5-4
163.9	16.6	6.263	0.900	5-4
179	12.9	0.904	0.801	5-2
191.9	18.6	6.570	1.951	5-4
195.0	12.7	0.996	0.859	5-3
195.2	28.6	4.670	0.844	5-4
196.1	16.8	1.376	1.038	5-3
196.2	16.5	1.335	1.192	5-3
197.0	29.0	1.687	1.203	5-4
197.1	16.9	3.412	0.432	5-2
197.2	20.0	1.568	1.262	5-4
197.5	14.1	2.276	0.346	5-2
197.6	21.5	2.886	0.759	5-2
197.7	33.5	3.272	1.156	5-4
197.8	22.5	3.213	0.793	5-2
198.3	17.9	3.606	1.192	5-4
198.4	16.1	2.191	0.864	5-4
198.5	13.6	2.111	0.858	5-4
198.89	17.2	1.858	0.809	5-2
199.0	45.3	4.542	1.208	5-4
199.1	38.9	3.008	1.123	5-4
200.10	18.4	1.486	1.043	5-4
202.80	21.5	2.087	1.223	5-4
202.82	15.3	1.988	0.784	5-2
202.83	13.7	2.011	1.058	5-4
202.88	21.3	2.845	1.391	5-4
203.0	15.5	1.580	1.369	5-4
204.0	28.8	5.666	1.304	5-4
204.1	16.8	1.211	0.933	5-3
205.0	31.9	5.909	1.971	5-4
205.1	24.8	2.162	1.951	5-4
208.0	41.7	5.288	2.548	5-4
238.7	11.3	1.115	1.287	5-3
250.10(88)	13.5	0.654	0.563	5-1
250.10(89)	12.5	0.628	0.629	5-1
250.10(90)	12.9	0.605	0.612	5-1
250.20(88)	23.8	0.972	1.254	5-3
250.20(89)	22.9	0.948	1.174	5-3
250.20(90)	22.0	0.911	1.024	5-3
250.21(88)	17.8	0.837	1.143	5-3
250.21(89)	17.7	0.915	1.090	5-3
250.21(90)	15.6	0.865	1.231	5-3
250.30(88)	22.6	0.804	1.063	5-3
250.30(89)	19.8	0.664	1.206	5-3
250.30(90)	23.1	1.000	1.396	5-3
250.31(88)	18.2	0.915	0.967	5-3
250.31(89)	16.6	0.979	0.822	5-3
250.31(90)	16.7	0.892	1.021	5-3
261	21.3	1.640	1.397	5-4
263.9	12.2	0.936	1.277	5-3
275.4	12.6	0.906	0.791	5-2
276.0	14.6	0.891	1.231	5-3
276.2	24.6	0.889	1.234	5-3
276.5	12.5	0.696	0.947	5-3
277.3	15.1	1.525	1.165	5-4
286.6	45.5	1.849	1.008	5-4
320.1	32.4	1.806	0.444	5-2
335.20	22.0	1.554	3.654	5-4
348.1	56.9	3.839	1.458	5-4
404.13(90)	12.0	0.801	1.164	5-3
404.9 (88)	12.0	0.799	0.935	5-3
404.93(90)	12.3	0.834	1.149	5-3
410.0 (88)	31.1	1.303	0.808	5-2
410.0 (89)	30.5	1.298	0.734	5-2
410.00(90)	30.5	1.248	0.907	5-3
410.01(90)	30.7	1.333	0.730	5-2
410.1 (88)	28.6	1.200	0.746	5-2
410.1 (89)	27.5	1.177	0.718	5-2
410.10(90)	28.8	1.191	0.715	5-2
410.11(90)	26.4	1.193	0.690	5-2
410.2 (88)	27.6	1.105	0.627	5-2
410.2 (89)	26.7	1.112	0.590	5-2
410.21(90)	25.1	1.092	0.598	5-2
410.3 (88)	26.0	1.132	0.416	5-2
410.3 (89)	25.7	1.087	0.427	5-2
410.31(90)	22.2	0.977	0.404	5-2
410.4 (88)	21.8	0.892	0.524	5-2
410.4 (89)	21.1	0.876	0.505	5-2
410.40(90)	22.3	0.861	0.639	5-2
410.41(90)	20.1	0.879	0.486	5-2
410.5 (88)	21.8	0.857	0.638	5-2
410.5 (89)	21.8	0.902	0.616	5-2
410.51(90)	20.2	0.858	0.601	5-2
410.6 (88)	22.2	0.885	0.439	5-2
410.6 (89)	21.4	0.876	0.411	5-2
410.61(90)	20.6	0.872	0.457	5-2
410.8 (88)	29.5	1.071	0.934	5-3
410.8 (89)	27.7	1.019	0.882	5-3
410.81(90)	27.0	1.059	0.940	5-3
410.9 (88)	38.7	1.462	1.064	5-3
410.9 (89)	37.4	1.446	1.017	5-3
410.90(90)	34.0	1.319	0.974	5-3
410.91(90)	38.5	1.541	1.116	5-4
415.0	11.8	0.850	1.280	5-3
415.1	12.0	0.478	0.540	5-1
416.9	11.6	0.786	1.329	5-3
425.4	14.7	0.868	1.016	5-3
426.89	11.9	0.383	0.528	5-1
427.41	48.5	2.269	1.170	5-4
427.5	77.3	4.883	1.750	5-4
428.1	12.8	0.518	1.082	5-3
428.9	33.4	1.410	1.142	5-3
429.9	14.3	0.626	0.826	5-3
430	43.9	3.236	0.761	5-2
431	39.5	2.119	1.047	5-4
432.1	14.3	0.865	0.506	5-2
432.9	54.9	2.989	1.243	5-4
433.0	21.7	1.207	0.489	5-2
434.0	13.4	0.804	0.736	5-2
434.9	11.3	0.735	0.727	5-1
436	15.5	0.828	0.813	5-2
441.0	40.4	1.923	0.877	5-4
441.1	63.4	3.812	1.241	5-4
441.2	14.1	1.059	0.820	5-3
441.3	56.8	3.211	1.118	5-4
442.2	15.4	1.002	0.337	5-2
447.2	18.7	1.186	0.379	5-2
456.0	15.7	0.666	0.812	5-1
459.0	12.9	0.530	0.669	5-1
459.2	14.0	0.889	1.144	5-3
482.0	17.3	1.106	0.939	5-3
482.1	14.2	1.255	0.977	5-3
482.4	20.9	1.338	1.043	5-3
482.8	13.9	0.912	0.803	5-2
485	12.8	0.640	0.670	5-1
486	12.8	0.623	0.768	5-1
507.0	26.8	1.549	1.530	5-4
508.0	14.7	0.952	0.793	5-2
512.0	11.7	0.832	0.718	5-2
514	15.3	0.572	1.172	5-3
516.3	15.4	1.452	1.412	5-3
518.4	14.9	0.507	1.140	5-3
518.5	26.4	1.944	0.697	5-2
518.81(88)	26.7	1.721	1.407	5-4
518.81(89)	26.6	1.639	1.403	5-4
518.81(90)	27.3	1.718	1.383	5-4
518.82(88)	14.7	0.945	1.012	5-3
518.82(89)	15.7	0.924	1.000	5-3
518.82(90)	16.8	1.063	1.015	5-3
530.4	16.9	1.583	0.379	5-2
531.10	15.6	1.070	0.477	5-2
531.20	17.5	1.167	0.485	5-2
531.50	14.1	0.995	0.426	5-2
531.60	17.3	1.245	0.474	5-2
532.10	12.2	0.859	0.368	5-2
532.20	17.8	1.385	0.351	5-2
532.50	12.9	0.838	0.403	5-2
532.60	15.9	1.308	0.497	5-2
557.0	37.4	2.091	0.689	5-2
557.9	11.8	0.638	0.509	5-1
567.2	12.2	0.837	0.694	5-2
567.8	15.0	0.725	0.745	5-1
567.9	25.9	1.119	0.974	5-3
569.83	27.0	1.615	0.554	5-2
570	41.9	2.423	0.863	5-4
571.2	20.4	1.466	1.331	5-3
571.3	17.7	1.128	1.220	5-3
571.5	15.6	1.098	1.297	5-3
571.6	12.4	1.307	0.820	5-3
572.2	21.0	0.790	1.433	5-3
572.3	11.4	0.557	0.866	5-3
572.4	67.3	5.376	1.310	5-4
572.8	45.9	2.593	1.459	5-4
578.0	14.4	0.552	0.890	5-3
584.5	20.1	1.321	0.754	5-2
584.8	17.6	1.211	0.789	5-2
584.9	25.9	1.309	0.946	5-3
586	28.6	1.380	1.166	5-3
710.1	12.7	1.318	1.719	5-3
780.0	14.5	0.621	0.883	5-3
785.50	56.6	2.359	1.336	5-4
785.51	79.9	4.592	1.864	5-4
785.59	61.9	2.701	1.549	5-4
799.1 (88)	43.1	2.069	1.672	5-4
799.1 (89)	43.5	2.131	1.523	5-4
799.1 (90)	43.6	2.095	1.783	5-4
807.4	13.3	1.278	0.408	5-2
852.20	11.8	0.795	0.498	5-2
852.22	11.4	0.822	0.452	5-2
852.25	73.1	6.990	3.329	5-4
852.26	25.6	1.629	0.756	5-2
853.00	17.9	1.089	0.651	5-2
853.01	13.5	0.840	0.586	5-2
865.04	12.4	0.736	0.362	5-2
933.1	16.3	0.669	1.301	5-3
934.8	17.5	0.928	1.235	5-3
946.3	23.6	1.885	0.392	5-2
991.6	18.9	0.705	0.891	5-3
OTHER	22.3	1.472	1.016	5-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 5

		OTHER					OTHER					OTHER		
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA	ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
V10.02	33.3	3	2	5-0	070.2	45.2	92	69	5-0	198.0	15.2	594	421	5-0
V53.9	15.4	13	4	5-0	070.4	37.3	74	59	5-0	198.7	11.7	539	401	5-0
V64.3	33.3	6	3	5-0	070.6	71.7	48	46	5-0	198.81	14.6	817	387	5-0
V70.3	50.0	2	1	5-0	082.9	14.3	7	2	5-0	200.00	17.4	499	340	5-0
V71.9	14.3	7	1	5-0	083.0	13.3	15	3	5-0	200.02	12.2	154	97	5-0
003.22	25.0	24	13	5-0	085.0	33.3	3	2	5-0	200.06	14.8	61	32	5-0
003.23	20.0	5	2	5-0	085.4	14.3	7	2	5-0	200.08	17.7	622	483	5-0
005.4	28.6	7	2	5-0	088.9	50.0	2	1	5-0	200.18	16.1	740	483	5-0
010.13	33.3	6	4	5-0	090.0	25.0	4	2	5-0	200.20	37.8	36	28	5-0
010.15	22.2	9	6	5-0	093.0	25.0	8	4	5-0	200.21	22.2	18	12	5-0
010.80	37.5	8	4	5-0	098.82	50.0	2	1	5-0	200.22	25.0	8	6	5-0
010.82	40.0	5	2	5-0	101	21.2	34	12	5-0	200.23	30.8	26	22	5-0
010.84	14.3	7	1	5-0	102.2	33.3	3	1	5-0	200.24	16.7	6	4	5-0
010.85	33.3	3	1	5-0	111.0	50.0	2	1	5-0	200.27	50.0	2	1	5-0
010.86	22.2	9	5	5-0	111.1	14.3	7	1	5-0	200.28	33.3	21	19	5-0
010.91	50.0	2	2	5-0	112.5	21.5	486	314	5-0	200.80	12.9	687	444	5-0
010.94	16.7	6	4	5-0	112.81	17.4	23	14	5-0	200.82	12.7	237	130	5-0
011.21	42.9	7	4	5-0	112.83	21.4	14	8	5-0	200.83	11.7	813	448	5-0
011.40	12.5	96	29	5-0	115.94	33.3	3	1	5-0	200.84	11.8	180	116	5-0
011.41	66.7	3	2	5-0	117.3	11.5	871	387	5-0	200.88	17.3	614	448	5-0
011.60	14.9	275	115	5-0	117.5	12.6	774	425	5-0	201.23	50.0	2	2	5-0
011.61	20.0	5	2	5-0	117.6	33.3	3	2	5-0	201.40	18.8	16	10	5-0
011.64	12.5	96	40	5-0	117.7	30.7	87	52	5-0	201.44	14.3	8	3	5-0
011.66	11.4	35	12	5-0	117.9	12.3	331	158	5-0	201.58	12.2	82	36	5-0
011.82	16.7	18	4	5-0	122.1	50.0	2	1	5-0	201.68	13.5	97	56	5-0
013.03	37.5	8	3	5-0	122.2	33.3	2	0	5-0	201.70	20.8	23	18	5-0
013.90	40.0	5	4	5-0	122.4	16.7	6	4	5-0	201.73	17.1	40	26	5-0
014.00	16.1	30	14	5-0	122.5	50.0	2	1	5-0	201.77	33.3	3	3	5-0
014.82	33.3	3	1	5-0	123.0	25.0	4	2	5-0	201.78	12.5	32	20	5-0
014.84	33.3	3	1	5-0	126.0	50.0	2	1	5-0	201.90	17.6	409	266	5-0
014.85	15.4	13	6	5-0	126.9	50.0	2	2	5-0	201.97	16.7	18	8	5-0
014.86	33.3	3	2	5-0	130.3	25.0	4	1	5-0	201.98	13.0	170	106	5-0
016.20	14.3	7	1	5-0	130.7	16.1	57	38	5-0	202.00	16.3	398	203	5-0
017.93	14.3	7	3	5-0	130.8	20.0	15	11	5-0	202.06	11.6	70	29	5-0
017.94	25.0	8	3	5-0	130.9	13.6	21	7	5-0	202.08	14.5	599	375	5-0
018.00	15.4	52	29	5-0	132.3	16.7	6	2	5-0	202.11	13.3	30	16	5-0
018.03	18.2	33	21	5-0	132.9	20.0	5	2	5-0	202.13	20.0	5	3	5-0
018.06	28.6	7	4	5-0	134.9	16.7	6	3	5-0	202.24	25.0	8	4	5-0
018.80	18.8	16	7	5-0	136.8	13.2	53	17	5-0	202.30	36.7	30	24	5-0
018.81	50.0	2	1	5-0	137.2	33.3	3	1	5-0	202.32	33.3	3	2	5-0
018.84	50.0	4	4	5-0	139.0	16.7	6	1	5-0	202.34	50.0	2	1	5-0
018.85	16.7	6	3	5-0	139.8	25.0	4	1	5-0	202.38	18.8	16	13	5-0
018.86	14.3	7	5	5-0	141.9	13.2	742	352	5-0	202.40	12.3	244	99	5-0
018.90	16.0	169	88	5-0	142.9	25.6	43	27	5-0	202.46	16.7	6	2	5-0
018.92	28.6	14	9	5-0	143.9	14.9	74	25	5-0	202.48	20.0	20	10	5-0
018.94	14.8	27	14	5-0	145.9	13.9	402	205	5-0	202.90	20.0	92	67	5-0
023.1	50.0	2	1	5-0	146.5	25.0	4	2	5-0	202.92	50.0	8	7	5-0
027.0	26.2	575	320	5-0	146.9	20.4	158	111	5-0	202.94	14.3	7	3	5-0
030.8	33.3	6	3	5-0	147.8	18.2	299	186	5-0	203.1	33.0	115	93	5-0
032.84	14.3	7	2	5-0	147.9	15.9	285	178	5-0	204.2	15.4	25	17	5-0
032.89	12.5	8	4	5-0	148.9	12.5	321	203	5-0	204.8	16.7	66	40	5-0
033.0	12.5	9	3	5-0	149.9	50.0	4	3	5-0	204.9	30.9	162	120	5-0
033.1	12.5	7	4	5-0	150.0	11.6	407	290	5-0	205.2	27.4	62	49	5-0
033.9	20.0	5	3	5-0	150.2	13.6	82	66	5-0	205.8	23.2	100	84	5-0
036.0	21.1	196	68	5-0	156.8	13.3	625	520	5-0	205.9	39.3	145	128	5-0
036.1	12.5	16	6	5-0	156.9	24.0	381	340	5-0	206.0	41.0	514	465	5-0
036.2	20.5	127	46	5-0	157.4	12.2	245	132	5-0	206.1	32.4	73	53	5-0
036.3	80.0	10	9	5-0	158.9	17.6	146	97	5-0	206.2	46.7	15	12	5-0
036.89	16.7	6	3	5-0	159.0	30.3	353	270	5-0	206.8	39.1	23	22	5-0
037	18.3	115	38	5-0	159.8	20.8	119	88	5-0	206.9	39.1	23	19	5-0
038.41	19.1	799	313	5-0	159.9	37.8	297	255	5-0	207.0	17.1	274	234	5-0
038.44	16.3	680	336	5-0	160.5	15.6	47	23	5-0	207.2	24.4	78	68	5-0
040.0	26.8	755	365	5-0	160.9	32.1	28	16	5-0	207.8	27.1	107	79	5-0
040.89	19.4	125	42	5-0	163.1	13.2	68	51	5-0	208.1	36.7	112	82	5-0
042.0 (88)	27.8	97	69	5-0	163.8	16.2	817	624	5-0	208.2	13.0	24	20	5-0
042.0 (89)	18.5	129	91	5-0	164.1	30.9	70	52	5-0	208.8	23.1	117	101	5-0
042.0 (90)	21.4	103	73	5-0	164.2	12.1	264	166	5-0	208.9	32.3	304	246	5-0
042.1 (88)	18.2	55	46	5-0	164.8	13.7	197	144	5-0	231.1	16.7	6	3	5-0
042.1 (89)	18.2	97	71	5-0	164.9	22.7	322	246	5-0	231.2	11.6	190	108	5-0
042.1 (90)	20.0	105	82	5-0	165.0	20.0	5	2	5-0	231.9	50.0	2	1	5-0
042.2 (88)	44.4	18	14	5-0	165.8	53.3	15	11	5-0	235.8	11.7	122	41	5-0
042.2 (89)	25.7	35	34	5-0	165.9	16.7	6	6	5-0	238.9	18.5	27	15	5-0
042.9 (88)	24.0	121	94	5-0	170.9	25.0	84	55	5-0	239.8	13.0	437	183	5-0
042.9 (89)	15.8	136	97	5-0	171.5	11.6	588	333	5-0	239.9	12.9	31	13	5-0
042.9 (90)	22.9	179	131	5-0	171.8	16.4	159	87	5-0	246.0	33.3	4	2	5-0
043.1 (88)	13.3	30	23	5-0	171.9	35.9	153	112	5-0	251.4	25.0	4	1	5-0
043.1 (89)	25.0	17	15	5-0	172.8	21.8	165	93	5-0	254.1	25.0	4	2	5-0
043.1 (90)	12.5	24	19	5-0	172.9	46.5	344	296	5-0	258.0	12.5	24	9	5-0
043.3 (89)	17.2	27	17	5-0	173.9	16.1	57	21	5-0	258.9	13.3	31	14	5-0
043.3 (90)	17.2	29	16	5-0	181	25.0	4	1	5-0	259.4	50.0	2	1	5-0
044.9 (88)	18.8	16	9	5-0	191.6	11.7	388	225	5-0	262	20.6	679	395	5-0
044.9 (90)	11.4	35	17	5-0	191.7	16.3	215	139	5-0	266.0	18.2	11	2	5-0
045.00	50.0	2	1	5-0	192.8	23.7	38	24	5-0	270.1	33.3	3	2	5-0
046.1	15.9	194	156	5-0	192.9	21.2	53	40	5-0	270.6	11.7	60	23	5-0
046.2	22.2	9	4	5-0	194.6	13.6	22	11	5-0	271.1	33.3	3	1	5-0
049.0	14.8	87	49	5-0	195.1	13.8	582	350	5-0	271.2	20.0	5	2	5-0
055.1	23.1	13	4	5-0	195.3	12.9	837	487	5-0	276.4	25.1	500	237	5-0
062.2	14.3	7	5	5-0	195.8	20.2	93	54	5-0	279.01	12.5	8	1	5-0
063.9	33.3	3	1	5-0	196.8	30.3	185	145	5-0	279.19	16.7	6	4	5-0
065.4	13.3	15	2	5-0	196.9	38.7	113	92	5-0	287.9	17.8	273	94	5-0
070.0	37.9	29	13	5-0	197.3	16.5	647	432	5-0	305.42	12.5	8	1	5-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 5

ICD-9 CODE	MORTALITY 16 DAYS	OTHER CASES	DEATHS	RISK STRATA
312.01	50.0	2	1	5-0
320.0	12.5	127	26	5-0
320.2	28.9	628	269	5-0
320.3	34.1	225	130	5-0
320.7	50.0	2	1	5-0
320.8	28.9	227	112	5-0
320.9	19.1	714	249	5-0
324.0	11.6	633	256	5-0
325	17.5	79	26	5-0
330.8	21.4	14	7	5-0
335.0	25.0	4	1	5-0
335.11	22.2	9	3	5-0
335.22	11.8	280	155	5-0
336.3	20.0	5	4	5-0
348.4	41.4	115	66	5-0
348.5	14.6	436	281	5-0
355.4	33.3	3	2	5-0
359.1	12.2	230	67	5-0
359.2	14.0	119	38	5-0
372.39	25.0	8	2	5-0
372.8	12.5	9	1	5-0
374.13	50.0	2	1	5-0
381.7	25.0	4	1	5-0
384.00	16.7	12	4	5-0
384.9	14.6	40	13	5-0
404.1 (88)	12.5	112	59	5-0
404.12(90)	15.1	53	22	5-0
410.20(90)	25.3	166	58	5-0
410.30(90)	24.7	89	35	5-0
410.32(90)	14.3	35	6	5-0
410.50(90)	20.8	120	34	5-0
410.52(90)	12.7	63	10	5-0
410.60(90)	18.9	53	11	5-0
410.62(90)	20.0	20	6	5-0
410.80(90)	31.8	151	69	5-0
410.82(90)	15.1	53	18	5-0
410.92(90)	16.8	196	59	5-0
416.8	13.3	766	313	5-0
420.99	12.3	301	100	5-0
422.90	15.8	153	45	5-0
422.92	20.0	5	2	5-0
423.0	19.7	233	84	5-0
425.2	17.9	27	11	5-0
427.42	16.7	131	37	5-0
429.0	11.5	315	75	5-0
429.1	12.0	191	56	5-0
429.5	13.1	138	29	5-0
429.6	43.5	46	26	5-0
429.71(90)	22.4	156	50	5-0
429.89	12.3	130	35	5-0
432.0	20.5	250	97	5-0
437.6	15.2	33	11	5-0
441.5	75.3	304	251	5-0
441.9	17.8	302	94	5-0
442.84	16.5	253	76	5-0
442.9	21.2	101	35	5-0
444.1	45.7	254	143	5-0
444.9	18.3	234	77	5-0
446.6	29.7	343	169	5-0
447.5	18.8	32	15	5-0
452	29.3	303	161	5-0
453.0	20.0	136	80	5-0
456.20	35.7	14	8	5-0
480.0	12.0	50	19	5-0
495.1	33.3	3	2	5-0
495.2	16.7	12	4	5-0
501	11.6	405	151	5-0
502	14.3	232	98	5-0
506.4	16.2	37	12	5-0
507.8	22.3	480	261	5-0
513.1	14.7	68	16	5-0
518.1	19.9	346	166	5-0
518.8 (88)	33.3	3	1	5-0
519.2	19.1	118	49	5-0
520.9	33.3	3	1	5-0
531.11	20.3	199	79	5-0
531.21	15.3	111	42	5-0
532.21	17.4	165	74	5-0
532.61	12.5	136	49	5-0
533.10	18.4	525	172	5-0
533.11	14.3	28	9	5-0
533.20	20.2	240	77	5-0
533.50	18.4	886	313	5-0
533.60	28.6	198	87	5-0
533.61	11.8	17	3	5-0
534.10	11.8	102	28	5-0
534.50	18.7	107	38	5-0
534.61	14.3	7	1	5-0
550.02	12.5	71	19	5-0
551.20	12.9	387	114	5-0
551.3	21.2	82	32	5-0
551.8	11.3	746	187	5-0
551.9	17.4	214	72	5-0
567.1	13.9	36	12	5-0
571.9	12.6	491	244	5-0
573.4	32.7	49	29	5-0
576.3	25.0	36	13	5-0
583.7	14.3	14	3	5-0
583.81	20.0	5	4	5-0
584.6	34.1	40	30	5-0
584.7	20.5	79	31	5-0
594.9	16.1	31	8	5-0
623.3	25.0	4	1	5-0
628.4	16.7	6	2	5-0
697.8	33.3	3	1	5-0
705.0	33.3	3	1	5-0
718.22	25.0	4	1	5-0
718.39	33.3	3	1	5-0
723.2	14.3	21	6	5-0
729.4	13.9	696	241	5-0
740.1	50.0	2	1	5-0
742.59	11.9	261	150	5-0
745.10	20.0	10	3	5-0
745.4	23.3	321	117	5-0
745.69	26.7	15	5	5-0
745.8	37.5	8	4	5-0
758.4	22.2	9	6	5-0
758.5	33.3	3	2	5-0
759.3	25.0	12	4	5-0
759.81(90)	33.3	3	1	5-0
784.8	11.5	87	41	5-0
785.3	22.2	19	7	5-0
785.9	12.9	194	42	5-0
788.5	18.9	267	114	5-0
790.0	14.3	7	1	5-0
791.1	66.7	3	3	5-0
792.4	50.0	2	1	5-0
795.4	25.0	4	2	5-0
795.8 (90)	12.5	8	3	5-0
798.1	60.0	10	8	5-0
799.4	21.8	616	391	5-0
799.8	69.8	600	490	5-0
799.95	31.0	198	82	5-0
800.04	50.0	2	1	5-0
800.05	85.7	7	7	5-0
800.11	12.0	50	13	5-0
800.15	62.5	32	28	5-0
800.16	16.1	56	17	5-0
800.20	15.6	90	29	5-0
800.22	14.8	61	18	5-0
800.23	44.4	18	10	5-0
800.25	70.3	118	107	5-0
800.26	25.6	83	32	5-0
800.30	21.9	31	8	5-0
800.32	19.2	26	13	5-0
800.33	75.0	4	3	5-0
800.34	20.0	5	2	5-0
800.35	78.3	23	21	5-0
800.36	25.0	20	12	5-0
800.41	16.7	6	1	5-0
800.46	25.0	8	2	5-0
800.59	16.7	6	1	5-0
800.63	66.7	3	3	5-0
800.65	75.6	41	35	5-0
800.66	18.8	16	6	5-0
800.70	20.0	10	3	5-0
800.75	75.8	34	30	5-0
800.76	46.2	13	8	5-0
800.80	20.0	5	1	5-0
800.84	50.0	2	1	5-0
800.85	76.9	26	23	5-0
800.86	66.7	6	4	5-0
800.90	50.0	4	2	5-0
800.96	50.0	4	2	5-0
801.04	14.3	7	3	5-0
801.05	76.9	13	12	5-0
801.13	35.3	17	10	5-0
801.15	60.0	95	81	5-0
801.16	15.4	142	45	5-0
801.19	12.0	25	6	5-0
801.20	17.9	268	104	5-0
801.22	12.0	185	50	5-0
801.23	53.3	45	27	5-0
801.25	80.3	335	315	5-0
801.26	31.3	198	95	5-0
801.29	12.5	40	9	5-0
801.30	13.7	117	36	5-0
801.32	16.4	73	22	5-0
801.33	50.0	10	6	5-0
801.34	42.9	7	4	5-0
801.35	81.1	74	71	5-0
801.36	36.6	81	40	5-0
801.39	17.4	23	8	5-0
801.43	33.3	6	2	5-0
801.45	75.0	12	12	5-0
801.65	86.7	15	14	5-0
801.70	12.5	16	3	5-0
801.71	25.0	9	3	5-0
801.72	16.7	6	2	5-0
801.73	40.0	5	2	5-0
801.74	50.0	4	2	5-0
801.75	89.7	38	36	5-0
801.76	33.3	12	7	5-0
801.80	33.3	9	4	5-0
801.81	33.3	6	3	5-0
801.85	82.4	17	17	5-0
801.86	20.0	5	2	5-0
801.95	80.0	5	5	5-0
801.96	25.0	4	1	5-0
801.99	33.3	3	1	5-0
802.31	13.3	15	3	5-0
803.05	71.4	7	6	5-0
803.15	66.7	18	16	5-0
803.16	25.0	36	11	5-0
803.20	29.7	91	47	5-0
803.21	11.9	69	18	5-0
803.22	17.8	45	14	5-0
803.23	44.4	9	5	5-0
803.24	28.6	7	3	5-0
803.25	79.0	105	98	5-0
803.26	36.8	68	35	5-0
803.29	16.7	6	2	5-0
803.30	25.0	40	18	5-0
803.31	12.5	24	8	5-0
803.32	15.0	20	7	5-0
803.35	65.5	29	27	5-0
803.36	34.8	23	14	5-0
803.40	25.0	8	2	5-0
803.42	20.0	5	2	5-0
803.43	50.0	4	2	5-0
803.45	85.7	7	7	5-0
803.46	20.0	5	3	5-0
803.60	33.3	6	3	5-0
803.65	63.6	11	9	5-0
803.66	20.0	5	1	5-0
803.70	12.5	8	1	5-0
803.75	58.3	12	12	5-0
803.76	50.0	6	5	5-0
803.81	33.3	3	1	5-0
803.85	92.3	13	13	5-0
803.95	80.0	5	5	5-0
804.03	50.0	4	2	5-0
804.05	50.0	2	1	5-0
804.10	16.7	6	1	5-0
804.13	33.3	3	2	5-0
804.15	66.7	6	6	5-0
804.21	18.8	16	4	5-0
804.25	60.0	29	25	5-0
804.26	30.8	13	5	5-0
804.35	55.6	9	8	5-0
804.36	66.7	6	4	5-0
804.46	50.0	2	1	5-0
804.50	33.3	3	1	5-0
804.55	50.0	2	2	5-0
804.65	87.5	8	8	5-0
804.66	50.0	4	2	5-0
804.75	57.1	7	6	5-0
804.80	33.3	3	2	5-0
805.16	50.0	2	1	5-0
806.00	30.4	314	172	5-0
806.01	60.0	55	49	5-0
806.02	31.3	16	9	5-0
806.03	12.7	63	28	5-0
806.04	24.6	133	72	5-0
806.05	20.4	255	124	5-0
806.06	29.2	72	48	5-0
806.07	25.0	12	4	5-0
806.09	16.3	97	35	5-0
806.10	25.0	4	3	5-0
806.16	50.0	2	2	5-0
806.19	50.0	2	1	5-0
806.26	29.2	24	12	5-0
806.8	18.4	38	18	5-0
807.15	12.5	8	3	5-0
807.6	20.0	10	2	5-0
808.53	14.3	28	6	5-0
812.12	13.6	23	5	5-0
813.90	12.5	16	2	5-0
819.1	20.0	5	1	5-0
829.0	12.9	30	6	5-0
830.1	16.7	6	1	5-0
838.15	20.0	5	1	5-0
850.4	18.2	44	16	5-0

TABLE A-8

ESTIMATES USED IN DETERMINING PRIMARY AND SECONDARY RISK STRATIFICATION

CATEGORY 5

	OTHER			
ICD-9 CODE	MORTALITY 16 DAYS	CASES	DEATHS	RISK STRATA
851.03	19.0	21	6	5-0
851.05	69.8	63	56	5-0
851.06	12.7	102	26	5-0
851.20	40.0	5	3	5-0
851.21	30.0	10	6	5-0
851.26	50.0	2	2	5-0
851.30	50.0	8	5	5-0
851.31	75.0	4	3	5-0
851.35	94.7	19	19	5-0
851.36	57.1	7	5	5-0
851.39	33.3	3	2	5-0
851.45	58.5	117	100	5-0
851.46	17.2	86	33	5-0
851.53	50.0	2	2	5-0
851.55	60.0	5	5	5-0
851.56	25.0	8	3	5-0
851.60	25.0	4	1	5-0
851.70	25.0	4	2	5-0
851.75	90.5	21	21	5-0
851.83	12.8	78	22	5-0
851.85	62.7	284	245	5-0
851.90	44.1	34	22	5-0
851.91	11.8	34	10	5-0
851.92	13.3	15	5	5-0
851.93	88.9	9	8	5-0
851.95	95.6	90	90	5-0
851.96	36.8	19	9	5-0
851.99	25.0	4	2	5-0
852.00	19.3	553	202	5-0
852.01	11.7	367	115	5-0
852.03	39.0	59	33	5-0
852.04	26.5	34	16	5-0
852.05	72.1	301	273	5-0
852.06	22.3	304	128	5-0
852.10	20.0	20	10	5-0
852.11	20.0	11	4	5-0
852.15	85.0	20	19	5-0
852.16	40.0	10	6	5-0
852.19	50.0	2	1	5-0
852.23	40.1	187	109	5-0
852.24	16.5	133	61	5-0
852.29	13.6	177	55	5-0
852.30	13.3	45	19	5-0
852.31	17.1	41	20	5-0
852.32	17.6	17	5	5-0
852.35	75.0	48	46	5-0
852.36	46.9	32	21	5-0
852.40	13.6	125	48	5-0
852.45	67.6	37	36	5-0
852.46	22.2	37	15	5-0
852.50	22.2	9	4	5-0
853.03	34.6	81	45	5-0
853.05	78.8	518	484	5-0
853.06	25.2	534	247	5-0
853.10	33.3	21	14	5-0
853.11	16.7	18	5	5-0
853.12	40.0	5	2	5-0
853.15	84.8	33	29	5-0
853.16	61.5	26	20	5-0
853.19	50.0	2	2	5-0
854.03	16.9	124	27	5-0
854.05	72.0	225	205	5-0
854.10	15.8	75	28	5-0
854.13	90.0	10	9	5-0
854.15	95.5	110	108	5-0
854.16	58.0	50	30	5-0
861.00	17.2	57	14	5-0
861.02	58.3	12	8	5-0
861.03	47.1	34	19	5-0
861.10	42.3	26	11	5-0
861.11	25.0	8	3	5-0
861.12	30.0	10	5	5-0
861.13	34.5	29	14	5-0
861.20	14.0	43	13	5-0
861.22	46.4	28	14	5-0
861.30	17.4	23	6	5-0
861.32	32.6	46	21	5-0
862.0	18.2	165	43	5-0
862.1	25.0	68	26	5-0
862.32	13.6	22	9	5-0
862.9	29.6	27	11	5-0
863.0	19.0	62	21	5-0
863.1	11.4	106	26	5-0
863.20	16.7	120	26	5-0
863.21	25.5	47	16	5-0
863.30	11.8	136	22	5-0
863.40	22.0	41	13	5-0
863.41	16.7	12	2	5-0
863.42	19.0	23	6	5-0
863.46	16.7	12	2	5-0
863.49	22.2	9	5	5-0
863.50	14.7	34	13	5-0
863.51	28.6	7	3	5-0
863.52	14.8	54	13	5-0
863.56	25.0	8	3	5-0
863.59	14.3	7	1	5-0
863.83	16.7	6	1	5-0
863.84	27.0	37	16	5-0
863.89	16.9	260	76	5-0
863.91	33.3	3	2	5-0
863.94	47.1	17	8	5-0
864.00	24.1	54	17	5-0
864.02	18.4	76	24	5-0
864.03	21.6	75	27	5-0
864.04	41.0	139	78	5-0
864.09	25.3	180	71	5-0
864.13	14.6	48	12	5-0
864.14	31.0	71	30	5-0
865.00	17.8	91	29	5-0
865.02	16.2	222	63	5-0
865.03	18.1	105	30	5-0
865.09	17.3	127	38	5-0
865.10	24.0	25	9	5-0
865.11	30.8	13	5	5-0
865.13	20.6	34	10	5-0
865.14	22.4	107	39	5-0
865.19	16.7	12	4	5-0
866.12	12.5	8	1	5-0
866.13	14.3	7	1	5-0
867.1	12.5	65	15	5-0
868.00	15.0	248	58	5-0
868.01	25.0	8	2	5-0
868.02	15.8	19	7	5-0
868.03	24.7	151	54	5-0
868.04	22.0	279	93	5-0
868.09	11.8	67	19	5-0
868.10	26.3	19	9	5-0
868.12	27.3	11	4	5-0
868.19	22.2	45	17	5-0
869.0	21.4	84	23	5-0
869.1	27.8	18	5	5-0
872.79	20.0	5	1	5-0
873.31	20.0	5	3	5-0
873.69	12.5	32	7	5-0
873.75	12.5	8	2	5-0
873.9	37.5	40	19	5-0
887.4	20.0	10	2	5-0
896.2	33.3	3	1	5-0
897.0	20.0	35	11	5-0
897.4	28.6	7	3	5-0
897.6	22.2	9	3	5-0
897.7	25.0	4	1	5-0
900.01	28.6	7	2	5-0
900.1	15.0	20	5	5-0
901.0	52.3	153	96	5-0
901.1	15.4	13	2	5-0
901.41	50.0	2	1	5-0
901.82	20.0	5	1	5-0
901.83	50.0	2	1	5-0
901.89	16.7	12	2	5-0
902.0	45.2	31	17	5-0
902.10	72.7	11	9	5-0
902.20	30.0	10	3	5-0
902.23	25.0	4	1	5-0
902.25	55.6	9	7	5-0
902.31	18.2	10	3	5-0
902.32	66.7	3	2	5-0
902.42	66.7	3	2	5-0
902.53	31.3	16	5	5-0
902.54	50.0	4	3	5-0
902.87	28.6	7	4	5-0
903.00	33.3	3	1	5-0
903.4	20.0	5	1	5-0
905.9	20.0	5	2	5-0
927.00	33.3	3	1	5-0
929.0	14.3	14	4	5-0
933.0	11.6	536	143	5-0
934.0	21.1	531	240	5-0
934.9	27.2	514	266	5-0
941.09	14.3	7	2	5-0
941.23	16.7	6	1	5-0
941.30	22.9	70	28	5-0
941.32	50.0	4	2	5-0
941.34	16.7	6	3	5-0
941.37	12.5	16	5	5-0
941.38	17.5	40	18	5-0
941.39	20.2	99	35	5-0
941.40	33.3	9	5	5-0
941.49	33.3	3	2	5-0
942.09	14.3	7	4	5-0
942.10	14.3	7	1	5-0
942.19	25.0	5	1	5-0
942.39	22.2	144	59	5-0
942.40	16.7	6	2	5-0
942.42	16.7	12	5	5-0
942.49	36.4	11	7	5-0
943.43	12.5	8	2	5-0
944.22	14.3	7	1	5-0
945.54	25.0	4	1	5-0
946.0	12.1	33	7	5-0
946.4	29.1	109	56	5-0
946.5	21.1	19	11	5-0
947.1	17.4	92	39	5-0
948.20	29.4	17	8	5-0
948.21	37.5	8	6	5-0
948.22	26.2	42	16	5-0
948.32	28.6	7	3	5-0
948.33	31.8	22	14	5-0
948.41	50.0	2	1	5-0
948.44	61.1	18	14	5-0
948.50	57.1	7	6	5-0
948.51	50.0	2	2	5-0
948.52	50.0	2	1	5-0
948.54	50.0	4	3	5-0
948.55	85.7	7	6	5-0
948.66	87.5	8	8	5-0
948.74	50.0	2	2	5-0
948.88	85.7	7	7	5-0
949.3	30.0	10	8	5-0
949.4	25.0	4	1	5-0
952.01	33.3	18	11	5-0
952.04	13.8	66	26	5-0
952.05	12.7	221	69	5-0
952.06	21.4	28	18	5-0
952.07	13.3	15	5	5-0
952.13	14.3	7	2	5-0
952.19	18.2	11	3	5-0
956.8	16.7	6	1	5-0
957.8	22.2	9	2	5-0
957.9	20.0	5	1	5-0
958.1	28.9	45	19	5-0
958.4	24.6	278	88	5-0
958.5	17.6	34	14	5-0
960.4	14.3	27	6	5-0
961.5	16.7	6	1	5-0
962.5	16.7	12	3	5-0
962.8	14.3	7	1	5-0
970.1	20.0	5	1	5-0
971.0	11.5	25	3	5-0
976.3	13.3	30	7	5-0
980.1	11.9	66	16	5-0
983.0	11.5	61	13	5-0
983.1	18.8	48	16	5-0
985.5	50.0	2	1	5-0
987.7	50.0	2	1	5-0
989.0	23.1	13	7	5-0
991.0	14.3	7	1	5-0
994.1	16.9	397	83	5-0
994.2	13.0	160	68	5-0
994.7	32.0	129	61	5-0
996.84(88)	20.0	5	2	5-0
998.0	20.4	236	79	5-0

APPENDIX 2

AVERAGING NONLINEAR FUNCTIONS OF VARIABLES

Throughout our analyses, we have averaged results from cases, the unit of analysis, to form hospital estimates. With our mortality model, for example, it might be tempting to average the concomitant variables and use these in our model. If the model had been a linear regression function, then the results would be mathematically equivalent. However, it is easily demonstrated by example that this is not true of nonlinear models such as the logistic model or the mortality model.

The reason is easily seen by forming the Taylor series expansion of the average of the function about the average of the concomitant variables. In general, the formula for

$$\hat{g} = \frac{\sum_{i=1}^{N} p(X_i)}{N}$$

can be approximated by the Taylor series expansion about $\overline{x}$ as

$$\hat{g} \approx p(\overline{X}) + \left(\frac{1}{2}\right) \sum_{X_m} \sum_{X_n} S_{mn} \frac{\partial^2 p(\overline{X})}{\partial X_m \, \partial X_n}.$$

Since the derivatives for a linear model are zero, the covariance correction does not enter.

However, for a more complex model which is a nonlinear function of the concomitant variables, the partial derivatives are not zero. For example, consider the logistic function

$$p(\overline{x}) = \frac{\exp\left(\sum_{i=1}^{k} \beta_i x_i\right)}{1 + \exp\left(\sum_{i=1}^{k} \beta_i x_i\right)}$$

Then the partial derivative ($\partial p/\partial Xm$) is

$$\frac{\partial p}{\partial X_m} = \beta_m \, p(1 - p)$$

And the second partial derivative is

$$\frac{\partial^2 p}{\partial X_m \partial X_n} = \beta_m \beta_n \, p(1 - p)(1 - 2p)$$

Since our mortality model can be expressed in this form for a specific time, it is clear that the second partial derivatives are not zero in general.

APPENDIX 3

DEVELOPMENT OF THE FORMULAE FOR COMPUTATION OF THE STANDARD DEVIATION FOR HOSPITAL MORTALITY

VARIANCE OF THE MORTALITY RATE FOR A HOSPITAL

For a binomial random variable, x, with mortality rate Θ and n cases, the expected value of x, the number of deaths, is given by

$$E(x \mid \Theta) = n\Theta$$

and variance of x given by

$$\mathrm{Var}(x \mid \Theta) = n\Theta(1-\Theta).$$

Furthermore, to account for additional sources of variation other than the binomial variation, assume Θ has a distribution. In this case, the variance of the random variable x is given by the basic identity as given by Kendall, Stuart, and Ord (1983, Section 39.36, page 212).

$$\mathrm{Var}(x) = E_{\Theta}\{\mathrm{Var}_{x|\Theta}(x)\} + \mathrm{Var}_{\Theta}\{E_{x|\Theta}(x)\}.$$

From this, we find

$$\mathrm{Var}(x) = E_{\Theta}\{n\Theta(1-\Theta)\} + \mathrm{Var}_{\Theta}\{n\Theta\}$$

$$= n\, E_{\Theta}\{\Theta\}(1 - E_{\Theta}\{\Theta\}) + n(n-1)\,\mathrm{Var}_{\Theta}\{\Theta\}.$$

From this it follows that

$$\mathrm{Var}\left(\frac{x}{n}\right) = \frac{\mathrm{Var}(x)}{n^2} = \frac{\xi(1-\xi)}{n} + \left(1 - \frac{1}{n}\right)\mathrm{Var}_{\Theta}(\Theta)$$

where

$$\xi = E_{\Theta}(\Theta)$$

as given by Mosimann (1962, equation 36). Note that the first term is the binomial variance. The second term measures the variation in mortality among hospitals that is not accounted for by the mortality model.

Next, we turn to estimation of these components of variation. For a hospital, we estimate the hospital mortality rate by

$$\hat{\xi} = \widehat{E_{\Theta}(\Theta)} = \frac{1}{n}\sum_{i=1}^{n_j} \hat{\theta}_i = \hat{\Theta}$$

where the estimate of ξ is the hospital average over the estimates of patient mortality for each case. The component of variance V_2 is the binomial variance estimated by

$$\hat{V}_2 = \frac{\hat{\xi}\left(1 - \hat{\xi}\right)}{n}.$$

For the variance term of Θ, we use the estimate of the variation among hospitals that is not implicitly accounted for by the model, or

$$\hat{V}_3 = \widehat{\mathrm{Var}(\Theta)} = \left(1 - \frac{1}{n}\right) M_2(\Theta)$$

where $M_2(\Theta)$ is the second central moment of the distribution of Θ.

We obtained an estimate for $M_2(\Theta)$ from the Chi-square statistic for the hospital-specific offset. This variance was obtained by matching the probability level for the Chi-square statistic with the probability for the estimate of the expected standardized hospital residual.

Our development of the variance of the observed mortality is based on classical arguments generally credited to W. H. R. A. Lexis (1875, 1877) and discussed in Chapter VI, pages 26-31, of C. V. L. Charlier (1947). See also Johnson and Kotz (1970), page 78.

DEVELOPMENT OF THE CORNISH-FISHER ADJUSTMENT FOR MORTALITY AT HOSPITALS: AN EXTENSION OF THE FORMULATION OF LEXIS TO THE THIRD AND FOURTH CUMULANTS

We know that the skewness of a binomial random variable x with probability Θ is proportional to $(1-\Theta) - \Theta$. Furthermore, the skewness becomes more important as the number of cases decreases. Our problem is Lexis' modification of the simpler binomial problem. To adjust for skewness, we employ the Fisher-Cornish adjustments. To apply the adjustments, expressions for the third and fourth moments of the distribution of hospital mortalities are developed as follows.

First, recall a few basic identities for the binomial distribution (Johnson and Kotz (1970), page 51, or Kendall and Stuart (1970), page 128):

$$E\{x|\Theta\} = n\Theta$$

$$\mathrm{Var}\{x| \Theta \} = n\ \Theta(1- \Theta)$$

$$E\{(x-n\Theta)^3| \Theta \} = n\Theta(1- \Theta)[(1- \Theta) - \Theta]$$

$$E\{(x-n\Theta)^4 |\Theta \} = 3(n\Theta(1- \Theta))^2+ n\ \Theta(1- \Theta)\ (1-6\Theta\ (1- \Theta)).$$

Also

$$E_\Theta\{E\{x \mid \Theta\}\} = n\ \xi$$

where

$$E_\Theta\{\Theta\} = \xi$$

Then

$$E\{[x - E_\Theta\{x \mid \Theta\}]^3\} = E_\Theta\{E\{[x - n\ \xi]^3 \mid \Theta\}\}$$

$$= E_\Theta\{E\{[(x - n\ \Theta) + n\,(\Theta - \xi)]^3 \mid \Theta\}\}$$

Expand the terms using the groupings of binomial terms indicated above and substitute the binomial expectations given above to obtain

$$E_\Theta\{n\ \Theta(1 - \Theta)[(1 - \Theta) - \Theta]\} + 3n\ E_\Theta\{n\ \Theta\,(1 - \Theta)(\Theta - \xi)\} + n^3 E_\Theta\{(\Theta - \xi)^3\}$$

This is rearranged to obtain $\mu_3(x)$:

$$\mu_3(x) = n\,(n - 1)(n - 2)\,M_3(\Theta) + 3n\,(n - 1)(1 - 2\xi)\,M_2(\Theta) + n\,\xi\,(1 - \xi)(1 - 2\xi)$$

where

$$M_r(\Theta) = E\{(\Theta - \xi)^r\}.$$

By definition the skewness for *x* is

$$\sqrt{\beta_1(x)} = \gamma_1(x) = \frac{\mu_3(x)}{\mu_2(x)^{3/2}}$$

We use

$$\mu_2(x) = n\,\xi\,(1 - \xi) + n\,(n - 1)\,M_2(\Theta)$$

Hence the skewness is

$$\sqrt{\beta_1(x)} = \frac{\left(1-\frac{1}{n}\right)\left(1-\frac{2}{n}\right)M_3(\Theta)+\frac{3}{n}\left(1-\frac{1}{n}\right)\left(1-2\xi\right)M_2(\Theta)+\frac{\xi\left(1-\xi\right)\left(1-2\xi\right)}{n^2}}{\left[\frac{\xi\left(1-\xi\right)}{n}+\left[1-\frac{1}{n}\right]M_2(\Theta)\right]^{3/2}}$$

The expressions we need for the cumulants of

$$p = \bar{x} = \frac{x}{n}$$

are easily determined from the properties of cumulants according to the following general expressions given in equation 9 on page 12 of E. J. Gumbel (1958)

$$\beta_1(\bar{x}) = \frac{\beta_1(x)}{n}$$

$$\beta_2(\bar{x}) - 3 = \frac{\beta_2(x) - 3}{n} .$$

The skewness, $\gamma_1(p) = \sqrt{\beta_1(p)}$, is the skewness of x divided by $\sqrt{n}$.

A similar approach is applied to compute the kurtosis $\beta_2(x) = \mu_4(x) / (\mu_2(x))^2$ where $\mu_4(x)$ is the fourth central moment and $\mu_2(x)$ is the second central moment or variance of x. That is,

$$\mu_2(x) = n\,\xi\left(1-\xi\right) + n\,(n-1)\,M_2(\Theta)$$

$$\mu_4(x) = a_4\,M_4(\Theta) + a_3\,M_3(\Theta) + a_2\,M_2(\Theta) + a_0$$

where

$$a_4 = n\,(n-1)\,(n-2)\,(n-3)$$

$$a_3 = 6n\,(n-1)\,(n-2)\left(1-2\xi\right)$$

$$a_2 = n\,(n-1)\left(6n\,\xi\left(1-\xi\right) + 36\xi(\xi-1) + 7\right)$$

$$a_0 = n\,\xi\left(1-\xi\right)\left(3n\,\xi\left(1-\xi\right) - 6\xi(1-\xi) + 1\right)$$

As noted above, the kurtosis for p is

$$\beta_2(p) = 3 + \frac{\beta_2(x) - 3}{n}$$

THE CORNISH-FISHER ADJUSTMENT

To apply the Cornish-Fisher adjustment, note that

$$\kappa_3 = \sqrt{\beta_1(p)} = \gamma_1(p)$$

and

$$\kappa_4 = \beta_2(p) - 3$$

The expansion as given by Johnson and Kotz (1970) on pages 33-34 gives the adjustment factor through the skewness (third cumulant) (CFCS) term as

$$\text{CFCS}(Z) = \frac{\kappa_3(Z^2 - 1)}{6}$$

The adjustment term CFC(Z) including terms through κ_4 is

$$\text{CFC}(Z)=\text{CFCS}(Z)+\text{CFCD}(Z)$$

where

$$\text{CFCD}(Z) = \frac{(Z^3 - 3Z)\,\kappa_4}{24} - \frac{(2Z^3 - 5Z)\,\kappa_3^2}{36} .$$

ADJUSTMENT FOR SKEWNESS

A Cornish-Fisher adjustment, CFC(Z), can be applied to the standard normal limits (e.g., $Z = \pm 1.959964$ for the 95 percent interval). Even this adjustment may be inappropriate for small numbers of cases and extreme predicted mortality rates.

With the addition of the ICD-9-CM adjustments, the estimates of $M_3(\Theta)$ and $M_4(\Theta)$ are generally negligible. The factors given in the table of multiplicative factors for the calculation of the bound for prediction intervals were computed from these formulas with zero inserted in the equations for $M_2(\Theta)$, $M_3(\Theta)$, and $M_4(\Theta)$ to compute the skewness and kurtosis correction based solely on the binomial contributions.

LIMITS ON THE PREDICTION INTERVAL

In the following, SD is the $\sqrt{V}$ where V is the variance for the hospital based on the components as described above.

The limits on the interval are

$$P_L = \hat{\Theta} + (Z_- + CFC(Z_-))\,SD$$

$$P_U = \hat{\Theta} + (Z_+ + CFC(Z_+))\,SD$$

NOTE ON A STANDARDIZED RESIDUAL

A standardized residual, **R**, can also be computed using the Cornish-Fisher expansion. The form appropriate to this calculation is

$$Z = \mathbf{R} - \frac{(\mathbf{R}^2 - 1)\kappa_3}{6} - \frac{(\mathbf{R}^3 - 3)\kappa_4}{24} + \frac{(4\mathbf{R}^3 - 7\mathbf{R})\kappa_3^2}{36}$$

where

$$\mathbf{R} = \frac{\frac{x}{n} - \hat{\Theta}}{\sqrt{V}}$$

NOTE ON COMPONENTS OF VARIANCE IN THE BINOMIAL SAMPLING VARIANCE

This note demonstrates that the binomial variance consists of two components of variance within each category by hospital.

1. The sum of the Bernoulli variance for each case in the category.
2. The variation among cases within the category.

The binomial sampling variance can be considered as two variance components. At the case level let θ_{ij} be the Bernoulli probability for the variable Y_{ij}, an indicator variable which is 1 for death and 0 otherwise. The variance is

$$\mathrm{Var}\left(\frac{Y_j}{n_j}\right) = \mathrm{Var}\left(\frac{\sum_{i=1}^{n_j} Y_{ij}}{n_j}\right)$$

or

$$\operatorname{Var}\left(\overline{Y}_j\right) = \frac{\sum_{i=1}^{n_j} \theta_{ij}\left(1 - \theta_{ij}\right)}{n_j^2}$$

Note that

$$\frac{\overline{\theta}_j\left(1 - \overline{\theta}_j\right)}{n_j} = \frac{n_j\left(\overline{\theta}_j - \overline{\theta}_j^{\,2}\right)}{n_j^2} = \frac{\sum_{i=1}^{n_j} \theta_{ij} - \sum_{i=1}^{n_j} \theta_{ij}^2 + \sum_{i=1}^{n_j} \theta_{ij}^2 - n_j \overline{\theta}_j^{\,2}}{n_j^2}$$

$$= \frac{\sum_{i=1}^{n_j} \theta_{ij}\left(1 - \theta_{ij}\right)}{n_j^2} + \frac{1}{n_j}\left\{\frac{1}{n_j} \sum_{i=1}^{n_j} \left(\theta_{ij} - \overline{\theta}_j\right)^2\right\}.$$

This demonstrates that the binomial variance includes components of variance for the Bernoulli variance and the within category variance for the hospital.

APPENDIX 4

THE LIKELIHOOD CHI-SQUARE STATISTICS

A procedure for assessing whether concomitant variables are of any particular relevance for describing the data rests on general results available as a consequence of our maximum likelihood parameter estimation. Generally, we estimate the parameters of two models of which one is a special case of the other by the method of maximum likelihood. For example, if we use age as a concomitant variable, then the model without this concomitant variable may be regarded as a special case of the more general model with three parameters that are the coefficients of age each set equal to zero. The general form of the likelihood ratio test statistic T is obtained by evaluation of the maximized loglikelihood with and without the constraints of the hypothesis. If we denote by LL(c) the maximized loglikelihood with constraints and by LL(~c) the maximized loglikelihood without constraints, then the test statistic,

$$T = 2(LL(\sim c) - LL(c)),$$

is distributed as a χ^2 variable with degrees of freedom equal to the number of constraints. For example, assume LL(c) = –6611.311 when age is not included in the model, and LL(~c) = –6601.934 when age is included, so

$$T = 2(-6601.934 + 6611.311)$$

$$= 2(9.377)$$

$$= 18.75.$$

Since constraining three age component parameters to be zero effectively leaves age out of the model, we use the Chi-square distribution with three degrees of freedom to compute the

$$\Pr\{\ \chi^2(3\text{ d.f.}) > 18.75\} = 0.0003.$$

Other variables, either one at a time or in combinations, might also be considered. It is particularly convenient that continuous variables such as age may be included in the analysis without the necessity of arbitrarily categorizing the data. Examples of other hypotheses are given in Bailey (1977).

APPENDIX 5

DEVELOPMENT OF THE MORTALITY MODEL RATE

The following describes the steps in developing the mortality model.

The survival model is developed for each of the 23 analytical categories with data pooled from FY 1988, FY 1989, and FY 1990.

There are three component parameters in the survival model for each variable: the α, γ, and δ components.

To estimate the component parameters, several iterations were required to eliminate insignificant components from each of the 23 models and to verify that variables excluded were not significant.

- Components that are less than twice their respective standard error estimates were fixed to zero in most cases.
- Components not found to be significant were set to zero and the models rerun.
- To check that none of the components set to zero might be important, we fixed the solid estimates at their best value and estimated the components that were previously set to zero. Any components that were found to be significant were reentered into the model. In a few cases, the reentered estimates were not twice their standard error, but were left in the model if the model's maximum loglikelihood showed improvement.
- When the models failed to converge, several diagnostics were used to identify the problem components. Often, one or more components would change substantially with essentially no change in the loglikelihood. These components generally could be set to zero. Occasionally, it is necessary to fix a component to zero when the estimates are very small after 20 iterations and convergence is not obtained. This is especially necessary when the likelihood surface is ill-determined, as becomes evident when examining the changes in likelihood as various steps are attempted in the iteration.
- Once convergence is obtained, the fixed components are reevaluated, as noted, just to be sure the problems did not arise because the previous attempts failed to enter the region of convergence.

- The results of the models are used to create three linear combinations of the concomitant variables for each case. There is a linear combination for each of the structural parameters in the survival model—that is, α, γ, and δ. This step facilitates the data processing for calculating model offsets.

- For the offset methodology, models are run with all components except for the intercepts fixed for a subset of data. The linear combinations are treated as variables in which:

    1. The α component parameter of the α linear combination is 1 and the γ and δ component parameters are 0;

    2. The γ component parameter of the γ linear combination is 1 and the α and δ component parameters are 0; and

    3. The δ component parameter of the δ linear combination is 1 and the α and γ component parameters are 0.

- With these component parameters fixed or set to the values just described, the intercept α, intercept γ, and intercept δ estimates are the offset estimates, and the results are as if we have individually fixed each of the parameters used to compute the linear combinations. Note that the linear combinations come from the model associated with the analytical category for the case. However, once the linear combinations are formed, the model structure is identical for each category. This facilitates dealing with subsets of data which may span several analytical categories.

- Each analytical model is checked by runs in which offset components are run against all the linear combinations within each analytical category. We confirm that the model is correctly coded for the next step by demonstrating that the offsets are numerically indistinguishable from zero.

The α, γ, and δ risk components for ICD-9-CM codes are estimated to account for the principal diagnosis. Since there are nearly 7,500 codes used in a given year, we used the offset strategy to obtain these estimates. With the analytical model fixed, an offset was computed for each of the ICD-9-CM codes with more than 900 cases and at least one death. Codes which changed from year to year were designated as separate codes by attaching a year to their designation. These codes were also included when there were more than 300 cases and at least one death in the year.

When convergence failed, additional efforts such as using alternative starting values or fixing components were used to obtain estimates. For the remaining codes within each analytical category, pooled estimates of the offsets were obtained. In this way, estimates were available for every code. For each case, we used the ICD-9-CM component estimates as three variables to augment the models for each of the 23 analytical categories.

Linear combinations were constructed and offsets computed as a check on the model setup. In this case, offsets will not be numerically zero when some ICD-9-CM risk components are fixed to zero. The offsets generally are not statistically significant.

Since the models were developed on 3 years of data with year indicators to distinguish each year, a further adjustment by year was made within each analytical category. These adjustments are shown in Table A-4D by analytical categories. These adjustments arise from the fact that some coefficients of the year indicator variables were fixed in the earlier stages of estimation. Additional offset components for each year were calculated over all cases within a year and are shown in Table A-4E in the "All Causes" category. These offsets are incorporated into the α, γ, and δ intercept terms.

This step completes the overall model which is used to obtain national estimates of the mortality rate for each hospital.

If additional information is provided by the choice of the subset, then the model will not be fully adequate without further estimation. For this reason, the intercept terms for the models were reestimated for each of the conditions and procedures used in the display.

Intercept estimates were obtained by the offset strategy for each of the 23 analytical categories for each of the conditions or procedures to be displayed. These offsets were obtained by year without the year offsets shown in Table A-4D. The offsets are shown by year but are the same unless they differ statistically ($\chi^2 > 22.46$, d.f.=6). If they differed, then individual year offsets were used, provided they were different from zero (($\chi^2 > 11.34$, d.f.=3).

Generally, the offsets were not significantly different from zero for the conditions. This is a consequence of the fact that conditions are defined by the principal diagnosis (ICD-9-CM code), and these codes were already incorporated into the model.

The procedure codes represent substantial additional information. Consequently, it is no surprise that substantial offsets result when this additional information is provided.

With each specific category or procedure model, hospital offsets are obtained to understand further the difference between observed and predicted mortality. The offset strategy is applied to the cases for each hospital. In this way, we resolve the hospital-specific contribution to mortality into three components: the hospital-specific initial excess risk, the persistence of the initial excess risk, and the long-term risk.

The residual between the mortality rate observed and predicted with the hospital offset is a measure of the model failure for the specific hospital. Almost invariably this residual was very small.

The various contributions to the model can be assessed by the changes in the loglikelihood. For this purpose, we also run a reference model with no concomitant variables. Then we show (Table A-6 and Figure A-1) the increases in loglikelihood provided by the basic concomitant variables and the ICD-9-CM variables. Furthermore, we also measure the consequence of adding the hospitals to the model. This provides a direct measure of the variation among hospitals not otherwise explained.

In addition to the hospital offsets by year, offsets were run for the 3-year pool of data. These runs were used to produce a pooled estimate of the mortality for the public files. A Chi-square test provides a simple demonstration of whether or not pooling is statistically supported (see Appendix 10, Pooled Analyses).

COMPARISON WITH LOGISTIC REGRESSION

The mortality model can be used to establish information comparable to that which could be found from logistic regression. For analysis, the logistic regression must focus on a specific time such as 30 days. With the mortality model, the time of death is used, and the model can be used to construct the predicted probability of death for various times such as 30, 90, and 180 days.

For example, the probability θ that a patient dies within 30 days of admission is expressed in terms of variables that represent the patient's characteristics, represented by the vector $\mathbf{x}' = (x_0, x_1, \ldots, x_k)$ of explanatory variables. (Note $x_0=1$ corresponds to the intercept term(s).) The dependence of θ on the explanatory variables specified by the logistic model is

$$\log \frac{\theta}{1-\theta} = \sum_k \beta_k x_k = \beta' \mathbf{x} .$$

The regression coefficients $\beta' = (\beta_0, \ldots, \beta_k)$ are generally estimated by the method of maximum likelihood.

The estimate for the probability of death within 30 days for a patient is

$$\hat{\theta} = \frac{\exp\left(\hat{\beta}' \mathbf{x}\right)}{1 + \exp\left(\hat{\beta}' \mathbf{x}\right)} .$$

With the mortality model, the regression coefficients and the patient's explanatory variables, represented by the vector $\mathbf{x}' = (x_0, x_1, \ldots, x_k)$, are used to estimate the survival probability $S(t)$ for selected values of t. For $t=30$ days, the mortality probability is $1- S(30)$.

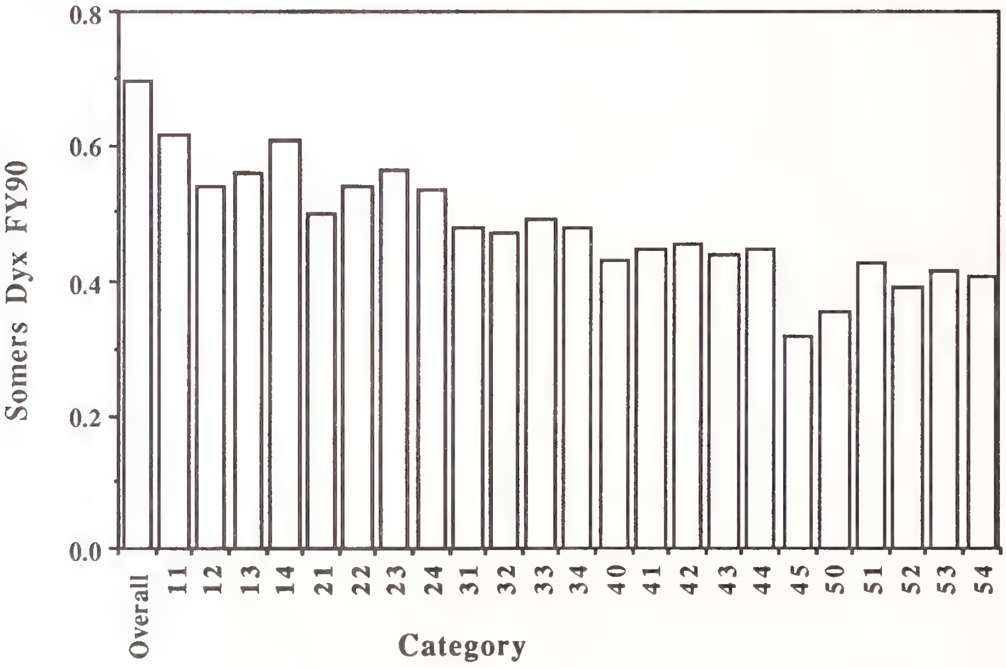
An alternative method of estimation for the logistic model makes use of the estimates from a general mortality model.

We establish the relationship between the mortality model and the logistic regression model by calculating estimates of the logistic regression coefficients in terms of the survival probability from the mortality model for a specific time. To obtain an estimate of the intercept, β_0, estimate the survival probability with all x's set to zero other than x_0 set=1 for the specific time. Then the log of the odds ratio $(1-S_0(t))/S_0(t)$ is an estimate of the corresponding logistic regression intercept β_0.

To obtain an estimate of β_i, compute the survival probability, $S_i(t)$, for the specific time with x_i and $x_0 = 1$ and all other x's zero. The natural logarithm of the odds ratio, $(1-S_i(t))/S_i(t)$, is an estimate of $\beta_0+\beta_i$. The estimate of β_i is obtained by subtracting the estimate for β_0 from $(1 - S_i(t))/S_i(t))$.

For the contribution of each of the levels of modeling, we have shown the Somer's Dyx statistic produced by the PROC LOGIST for the 30-day mortality for each of the 23 analytical categories. We repeated the logistic regression model on the log odds ratio for each level of modeling. The Somer's Dyx statistic is the rank correlation between the observed and predicted probability of death. It can be expressed as the difference between the number of concordant and discordant pairs relative to the number of pairs with different outcomes.

The following graph shows the Somer's Dyx statistic produced by the PROC LOGIST for the 30-day mortality for each of the 23 analytical categories. The overall category was determined based on a sample 600,000 cases for the pooled analysis of 3 years of data. The results for FY 1990 are shown in contrast to the 3-year pool. One observes that the model overall has a better Somer's Dyx value than the results for the individual analytical categories. This may be a consequence of the more effective stratification employed. That is, the models within categories are not as effective as when the analytical categories were more heterogeneous.



APPENDIX 7

ADMISSION SOURCE AND TYPE

In our previous analysis of mortality data, we discovered that some States had zero admissions from a skilled nursing facility. While some of these problems were corrected on the MEDPAR files used for this analysis, at the time this study was initiated we found empirical evidence that some of the files still contained suspect information. The suspect data were identified by noting those months (date of discharge) and fiscal intermediaries for which the type and source of admissions fields appeared to be interchanged. Based on our findings, we reversed these fields to at least partially correct the remaining discrepancies. The following list shows the specific instances for which the fields were reversed for this analysis.

TYPE AND SOURCE OF ADMISSION FLIPPED

FI NO.	FI NAME	DATES
00030	ARIZONA BC	10/01/86 — 12/31/88
00080	MARYLAND BC/DC	06/01/87 — 09/30/87
00190	MARYLAND BC	06/22/87 — 12/31/88
00400	TEXAS BC	12/07/87 — 12/31/88

APPENDIX 8

EXTRAPOLATION FROM THE RANDOM ADMISSION TO ALL CASES

In this section a procedure for using the analysis of a random admission with all admissions is presented.

As background, note that each person may have more than one admission per year, and there can be only one death per person. The random admission was used in these analyses to avoid counting a death twice in the analysis.

If we use a unit analysis of one admission per person, then we consider the first admission, the last admission, or a random admission.

Alternatively, we may use all admissions. To deal with the problems of multiple admissions per person, we may censor by subsequent admission, or assign each admission a weight.

If we use all admissions, then the choice of inhospital mortality avoids the problem of multiple admissions being associated with a death. However, there is variation associated with the length of stay.

The choice of a particular admission is conditional on the known number of admissions and is therefore only obtainable after the fact. This same problem applies with some simple weighting schemes. The process of censoring by subsequent admission ensures that death is associated with only one admission. However, it is not consistent with establishing the long-term consequence following an admission.

The analyses presented in this publication use a single random admission for each patient. The choice of a random admission would be comparable to using all admissions where there is a weight factor for each admission corresponding to the sampling probability. The following scheme provides a possible extension for using the analysis for extrapolation to compare the projections from this analysis to all cases.

The model may be used to predict an individual's probability of death for a particular time. The projection of the probability of death may be 30 days, 60 days, or even the actual time in hospital. The latter approach would achieve comparability with the inhospital mortality frequently used when actual dates of death beyond the discharge date are not readily ascertainable. The approach, simply stated, begins by grouping patients for the level of display (e.g., hospital) by the number of discharges during a period of time such as 1 year. An observed, O, and a predicted, P, mortality are obtained for each group of cases, and the results are weighted by the number of patients in each group to obtain an overall summary of the predicted and observed mortality rates.

The following table serves as a guide to the procedure.

			Time	
No. Adm.	No. Individuals	Total Adm.	Obs.	Pred.
1	n_1	n_1	O_1	P_1
2	n_2	$2\, n_2$	O_2	P_2
.				
.				
i	n_i	$i\, n_i$	O_i	P_i
.				
.				
k	n_k	$k\, n_k$	O_k	P_k

$$N = \sum_{i=1}^{k} n_i \qquad N_c = \sum_{i=1}^{k} i\, n_i \qquad O \qquad P$$

where

$$O = \frac{\sum_{i=1}^{k} n_i O_i}{N} \quad \text{and} \quad P = \frac{\sum_{i=1}^{k} n_i P_i}{N}$$

Since groups with i admissions per person includes all admissions, this process is equivalent to first averaging over admissions for the individual and then averaging these averages over the n_i individuals.

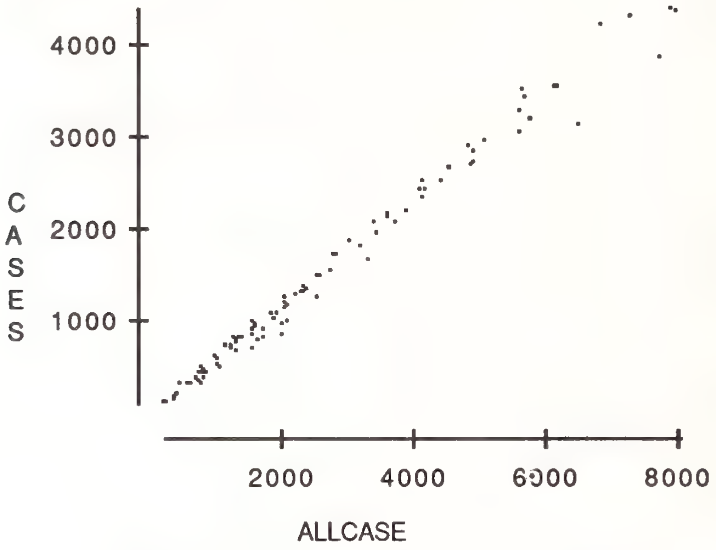
The predicted and observed for people with single and multiple admissions may be shown separately by the number of admissions.

Multiply counted deaths are averaged so as not to exceed one death per individual within the group or institution.

The following examples are based on the hospitals in one State—Virginia:

Each point is a hospital, and hospitals with less than 100 cases were excluded for the following plots.

Number of Cases Random Admission Vs. Number of Cases All Admissions



Dependent variable is: CASES

101 total cases of which 4 are missing

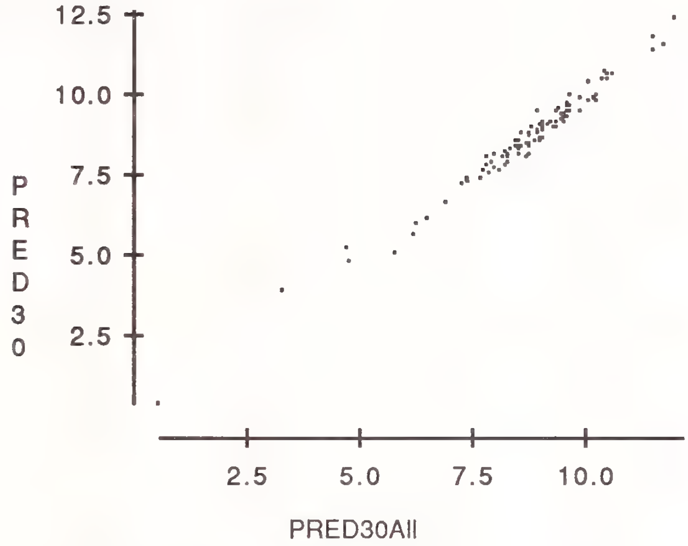
$R^2 =$ *98.7%*
$s =$ *132.4 with 97 - 2 = 95 degrees of freedom*

Source	*Sum of Squares*	*df*	*Mean Square*	*F-ratio*
Regression	*122610876*	*1*	*1e+8*	*6998*
Residual	*1664490*	*95*	*17520.9*	

Variable	*Coefficient*	*s.e. of Coeff*	*t-ratio*
Constant	*-0.540021*	*22.57*	*-0.024*
ALLCASE	*0.571367*	*0.0068*	*83.7*

The regression suggests a rather strong predictive relationship between the number of cases in our analysis and the total number of cases at the institution.

Predicted Random Admission Vs. Predicted All Admissions



Dependent variable is: PRED30

101 total cases of which 4 are missing

R^2 = *97.6%*
s = 0.2544 with 97 - 2 ≐ 95 degrees of freedom

Source	*Sum of Squares*	*df*	*Mean Square*	*F-ratio*
Regression	*254.257*	*1*	*254*	*3930*
Residual	*6.14637*	*95*	*0.064699*	

Variable	*Coefficient*	*s.e. of Coeff*	*t-ratio*
Constant	*-0.109332*	*0.1408*	*-0.776*
PRED30All	*1.00404*	*0.0160*	*62.7*

Again, the regression results suggest a strong relationship between the predicted as published and the predicted obtained by applying the model to all cases.

Similar results apply to other states as the following summary shows.

Regression # Cases–Random vs. # Cases–All by State for Hospitals with at least 100 cases in Random Admissions

		# Cases					
ST	**#Hosp**	**Random**	**All**	**Inter.a**	**SE(a)**	**Slope.b**	**SE(b)**
AL	111	135,922	240,819	8.24	12.68	0.56	0.00
AK	8	3,523	5,924	0.66	13.48	0.59	0.01
AZ	61	89,921	146,516	-18.30	22.49	0.62	0.01
AR	83	88,645	157,255	18.59	13.39	0.55	0.00
CA	416	526,402	884,555	-9.58	9.37	0.60	0.00
CO	54	62,627	99,635	-18.63	13.22	0.64	0.01
CT	35	77,045	121,237	-33.02	26.53	0.65	0.01
DE	7	16,577	27,838	-45.65	67.29	0.61	0.01
DC	10	21,095	38,827	18.30	119.83	0.54	0.03
FL	219	386,412	605,140	-22.50	12.04	0.65	0.00
GA	161	166,909	296,610	4.08	13.50	0.56	0.01
HI	14	17,796	27,940	20.05	37.17	0.63	0.02
ID	31	20,308	31,807	6.57	15.25	0.63	0.01
IL	212	286,402	479,639	-19.89	13.17	0.61	0.00
IN	114	161,092	271,224	7.89	14.60	0.59	0.00
IA	114	90,308	145,239	26.71	10.52	0.60	0.01
KS	111	71,596	121,621	-5.00	8.26	0.59	0.00
KY	103	118,925	216,759	-26.87	17.01	0.56	0.01
LA	129	123,336	229,100	-21.07	12.28	0.55	0.00
ME	39	34,852	59,498	82.83	21.81	0.53	0.01
MD	51	107,964	196,174	-61.11	52.90	0.57	0.01
MA	98	175,168	304,875	5.84	28.61	0.57	0.01
MI	168	224,565	381,937	23.96	14.67	0.58	0.00
MN	132	107,304	175,832	13.33	12.19	0.60	0.01
MS	106	84,160	159,344	1.24	9.21	0.53	0.00
MO	136	172,590	289,044	5.09	12.43	0.59	0.00
MT	33	23,323	40,520	-5.92	11.81	0.58	0.01
NE	71	44,215	70,856	20.00	11.85	0.60	0.01
NV	14	24,610	39,409	14.66	31.92	0.62	0.01
NH	26	24,589	40,519	26.12	17.29	0.59	0.01
NJ	90	211,845	369,903	-91.26	33.06	0.59	0.01
NM	38	30,987	51,485	-10.52	15.48	0.61	0.01
NY	232	456,123	768,795	23.38	17.96	0.59	0.00
NC	121	172,050	285,297	19.95	20.04	0.59	0.01
ND	37	22,082	37,370	-16.20	9.36	0.61	0.01
OH	181	323,398	553,439	22.08	17.17	0.58	0.00
OK	115	96,027	165,167	-4.62	10.58	0.58	0.00
OR	61	70,346	109,803	3.70	14.69	0.64	0.01
PA	219	416,242	719,447	26.55	21.48	0.57	0.01
PR	51	58,673	101,632	74.84	25.90	0.54	0.01
RI	12	29,559	49,224	25.76	47.77	0.59	0.01
SC	65	74,038	121,204	-8.56	12.04	0.62	0.00
SD	43	23,217	38,806	-0.92	6.75	0.60	0.00
TN	130	164,786	293,534	-37.98	10.86	0.58	0.00
TX	376	373,344	637,311	-0.98	6.59	0.59	0.00
UT	28	26,922	40,418	-5.32	20.78	0.67	0.01
VT	15	12,999	21,345	35.73	17.45	0.58	0.01
VA	97	147,050	257,457	-0.54	22.57	0.57	0.01
WA	79	101,120	161,794	11.28	15.45	0.62	0.01
WV	55	67,280	120,484	-18.67	19.58	0.57	0.01
WI	129	139,796	229,480	19.84	11.49	0.60	0.00
WY	22	9,469	15,883	-9.99	7.77	0.61	0.01

Regression Predicted 30–Random vs. Predicted 30–All by State for Hospitals with at least 100 cases in Random Admissions

		# Cases					
ST	**#Hosp**	**Random**	**All**	**Inter.a**	**SE(a)**	**Slope.b**	**SE(b)**
AL	111	135,922	240,819	-0.25	0.20	1.02	0.02
AK	8	3,523	5,924	-1.85	0.73	1.16	0.08
AZ	61	89,921	146,516	-0.77	0.28	1.06	0.03
AR	83	88,645	157,255	-0.75	0.26	1.08	0.03
CA	416	526,402	884,555	-0.11	0.10	0.99	0.01
CO	54	62,627	99,635	-0.29	0.26	1.02	0.03
CT	35	77,045	121,237	-0.01	0.36	1.00	0.04
DE	7	16,577	27,838	-0.98	1.03	1.10	0.11
DC	10	21,095	38,827	-0.09	0.38	0.99	0.04
FL	219	386,412	605,140	-0.37	0.09	1.02	0.01
GA	161	166,909	296,610	-0.11	0.15	1.00	0.02
HI	14	17,796	27,940	0.12	0.91	0.97	0.09
ID	31	20,308	31,807	-0.56	0.39	1.05	0.05
IL	212	286,402	479,639	0.12	0.15	0.97	0.02
IN	114	161,092	271,224	-0.10	0.16	1.00	0.02
IA	114	90,308	145,239	-0.26	0.18	1.01	0.02
KS	111	71,596	121,621	-0.55	0.23	1.05	0.02
KY	103	118,925	216,759	-0.40	0.23	1.03	0.02
LA	129	123,336	229,100	-0.34	0.14	1.03	0.02
ME	39	34,852	59,498	0.10	0.35	0.99	0.04
MD	51	107,964	196,174	-0.39	0.16	1.02	0.02
MA	98	175,168	304,875	-0.34	0.12	1.03	0.01
MI	168	224,565	381,937	0.04	0.13	0.97	0.01
MN	132	107,304	175,832	-0.25	0.22	1.01	0.02
MS	106	84,160	159,344	0.21	0.18	0.96	0.02
MO	136	172,590	289,044	-0.72	0.22	1.06	0.02
MT	33	23,323	40,520	-0.16	0.35	0.99	0.04
NE	71	44,215	70,856	-0.42	0.33	1.04	0.03
NV	14	24,610	39,409	0.61	0.72	0.90	0.08
NH	26	24,589	40,519	0.35	0.42	0.95	0.05
NJ	90	211,845	369,903	-0.35	0.19	1.03	0.02
NM	38	30,987	51,485	-0.79	0.47	1.07	0.05
NY	232	456,123	768,795	-0.06	0.10	0.99	0.01
NC	121	172,050	285,297	-0.27	0.15	1.02	0.02
ND	37	22,082	37,370	-0.91	0.37	1.07	0.04
OH	181	323,398	553,439	-0.09	0.16	1.00	0.02
OK	115	96,027	165,167	-0.13	0.19	1.00	0.02
OR	61	70,346	109,803	0.11	0.21	0.97	0.02
PA	219	416,242	719,447	-0.12	0.12	1.00	0.01
PR	51	58,673	101,632	-0.79	0.25	1.06	0.03
RI	12	29,559	49,224	-0.26	0.14	1.03	0.01
SC	65	74,038	121,204	-0.47	0.22	1.04	0.02
SD	43	23,217	38,806	-0.68	0.44	1.07	0.05
TN	130	164,786	293,534	-0.35	0.22	1.03	0.02
TX	376	373,344	637,311	-0.51	0.10	1.04	0.01
UT	28	26,922	40,418	-0.17	0.29	1.01	0.03
VT	15	12,999	21,345	0.02	0.56	0.99	0.06
VA	97	147,050	257,457	-0.11	0.14	1.00	0.02
WA	79	101,120	161,794	-0.13	0.20	1.00	0.02
WV	55	67,280	120,484	-0.10	0.27	1.00	0.03
WI	129	139,796	229,480	-0.07	0.15	1.00	0.02
WY	22	9,469	15,883	0.77	0.79	0.88	0.10

APPENDIX 9

BENCHMARKS

Various benchmarks of the analysis may be useful for understanding the analysis and to facilitate comparisons. In this section we present selected percentiles of some of the basic components of the analysis. Of special interest is the standardized mortality ratio (SMR).

The standardized mortality ratio is the ratio of the observed to predicted mortality. For each of the conditions and procedures, selected percentiles for the observed distribution of the SMR are displayed. The selected percentiles provide benchmarks for comparison.

Percentiles of the standard deviation and the variance components V2, V3, and V4 are shown in the following tables for each year.

These percentiles are empirically determined by ranking the data in order and locating the cut-points. Summaries with less than 50 points were excluded from these analyses. Also, for the overall group, the percentiles are summarized for two groups, depending on whether the number of cases was less than 750 cases or not. This establishes two comparison groups. Unfortunately, such divisions are less than satisfactory, for one hospital with just over 750 cases gets compared on a different scale from one just below 750 cases.

Table A-9

SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2645	0.45	0.88	1.04	1.23	1.72	0.56	0.90	1.03	1.17	1.54	0.61	0.90	1.02	1.15	1.46
OVERALL(>= 750 CASES)	2684	0.73	0.91	0.99	1.09	1.35	0.79	0.94	1.01	1.09	1.28	0.82	0.94	1.01	1.08	1.24
CONDITIONS																
AMI	1405	0.54	0.80	0.95	1.11	1.42	0.62	0.86	0.99	1.14	1.44	0.63	0.86	0.99	1.13	1.39
CHF	2335	0.43	0.79	0.98	1.17	1.64	0.60	0.85	0.99	1.13	1.49	0.66	0.89	1.00	1.13	1.41
PNEUMONIA/INFLUENZA	2428	0.41	0.78	0.97	1.18	1.68	0.53	0.84	1.00	1.17	1.55	0.57	0.86	1.01	1.16	1.50
COPD	435	0.00	0.63	0.97	1.34	2.06	0.30	0.78	1.02	1.26	1.74	0.40	0.82	1.01	1.24	1.69
TRANS. CEREBRAL ISCHEMIA	404	0.00	0.00	0.83	1.34	3.20	0.00	0.48	0.85	1.31	2.27	0.21	0.60	0.90	1.21	2.05
STROKE	1789	0.53	0.79	0.95	1.13	1.56	0.61	0.84	0.98	1.13	1.47	0.65	0.87	0.99	1.12	1.42
HIP FRACTURE	1199	0.21	0.67	0.93	1.27	2.10	0.40	0.76	0.94	1.19	1.80	0.47	0.78	0.97	1.16	1.64
SEPSIS	254	0.51	0.79	0.96	1.12	1.50	0.65	0.86	0.99	1.13	1.47	0.69	0.89	1.01	1.15	1.44
PROCEDURES																
ANGIOPLASTY	425	0.00	0.49	0.89	1.33	2.66	0.00	0.60	0.93	1.36	2.34	0.00	0.63	0.97	1.34	2.14
CABG	556	0.20	0.68	1.03	1.39	2.45	0.28	0.73	1.00	1.32	2.09	0.28	0.73	1.01	1.30	2.10
PACEMAKER	112	0.00	0.41	0.72	1.37	3.25	0.20	0.61	0.90	1.21	2.17	0.21	0.65	0.84	1.16	1.87
CAROTID ENDARTERECTOMY	73	0.00	0.00	0.85	1.33	2.90	0.00	0.14	0.74	1.28	2.43	0.00	0.42	0.86	1.38	2.86
HIP REPLACEMENT	763	0.00	0.53	0.94	1.44	2.77	0.19	0.67	0.96	1.31	2.12	0.26	0.71	0.94	1.26	1.91
REDUCT. OF HIP FRACTURE	276	0.00	0.56	0.86	1.22	2.05	0.31	0.68	0.92	1.19	1.76	0.38	0.77	0.96	1.12	1.58
PROSTATECTOMY	1576	0.00	0.00	0.73	1.57	3.56	0.00	0.49	0.91	1.40	2.63	0.00	0.57	0.92	1.29	2.21
CHOLECYSTECTOMY	714	0.00	0.49	0.95	1.54	2.68	0.00	0.62	0.93	1.37	2.22	0.22	0.67	0.98	1.27	1.93
HYSTERECTOMY	113	0.00	0.00	0.00	2.00	6.69	0.00	0.00	0.76	1.70	3.59	0.00	0.24	0.75	1.27	2.91

Table A-9

SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	0.50	0.87	1.04	1.23	1.73	0.58	0.89	1.03	1.17	1.54	0.61	0.89	1.01	1.14	1.44
OVERALL(>= 750 CASES)	2669	0.71	0.90	1.00	1.09	1.35	0.79	0.94	1.01	1.08	1.28	0.82	0.95	1.01	1.07	1.24
CONDITIONS																
AMI	1412	0.53	0.81	0.96	1.12	1.47	0.59	0.86	1.01	1.15	1.47	0.63	0.87	1.00	1.14	1.43
CHF	2293	0.47	0.80	0.97	1.18	1.69	0.58	0.86	1.00	1.14	1.48	0.66	0.89	1.02	1.14	1.40
PNEUMONIA/INFLUENZA	2179	0.45	0.77	0.97	1.19	1.67	0.54	0.85	1.01	1.18	1.55	0.60	0.86	1.02	1.18	1.51
COPD	324	0.21	0.68	0.99	1.32	2.13	0.44	0.78	1.04	1.27	1.91	0.49	0.84	1.04	1.24	1.66
TRANS. CEREBRAL ISCHEMIA	420	0.00	0.00	0.79	1.41	3.26	0.00	0.46	0.88	1.33	2.36	0.18	0.60	0.92	1.25	1.97
STROKE	1728	0.53	0.80	0.95	1.12	1.56	0.62	0.85	0.97	1.11	1.46	0.67	0.88	0.99	1.13	1.40
HIP FRACTURE	1126	0.24	0.67	0.95	1.30	2.04	0.39	0.75	0.98	1.21	1.71	0.46	0.78	0.97	1.18	1.59
SEPSIS	174	0.52	0.79	0.94	1.10	1.52	0.63	0.88	1.02	1.15	1.46	0.68	0.93	1.05	1.16	1.43
PROCEDURES																
ANGIOPLASTY	370	0.00	0.46	0.84	1.35	2.55	0.00	0.55	0.88	1.33	2.52	0.00	0.61	0.94	1.32	2.44
CABG	501	0.21	0.65	1.00	1.47	2.57	0.23	0.69	1.00	1.33	2.29	0.32	0.74	1.01	1.33	2.21
PACEMAKER	91	0.00	0.52	0.74	1.12	2.31	0.00	0.56	0.83	1.15	2.14	0.20	0.68	0.81	1.16	1.87
CAROTID ENDARTERECTOMY	55	0.00	0.00	0.82	1.51	5.01	0.00	0.47	0.86	1.31	4.00	0.00	0.43	0.85	1.28	3.12
HIP REPLACEMENT	686	0.00	0.52	0.92	1.44	2.46	0.00	0.65	0.94	1.27	1.95	0.21	0.67	0.94	1.19	1.75
REDUCT. OF HIP FRACTURE	246	0.19	0.57	0.91	1.23	1.96	0.31	0.71	0.96	1.19	1.74	0.41	0.78	0.96	1.13	1.53
PROSTATECTOMY	1570	0.00	0.00	0.67	1.50	3.46	0.00	0.47	0.86	1.36	2.67	0.00	0.58	0.93	1.28	2.15
CHOLECYSTECTOMY	680	0.00	0.53	0.94	1.53	2.90	0.00	0.62	0.97	1.36	2.15	0.22	0.66	0.95	1.26	1.98
HYSTERECTOMY	101	0.00	0.00	0.00	1.80	5.44	0.00	0.00	0.78	1.60	4.21	0.00	0.00	0.91	1.38	2.99

Table A-9

SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	0.46	0.89	1.05	1.23	1.75	0.54	0.90	1.03	1.16	1.57	0.59	0.90	1.02	1.14	1.45
OVERALL(>= 750 CASES)	2693	0.73	0.90	1.00	1.10	1.35	0.79	0.94	1.01	1.09	1.27	0.82	0.95	1.01	1.08	1.24
CONDITIONS																
AMI	1414	0.56	0.82	0.96	1.12	1.41	0.63	0.87	1.01	1.14	1.42	0.65	0.89	1.00	1.13	1.39
CHF	2246	0.45	0.79	0.97	1.18	1.61	0.60	0.86	1.00	1.14	1.43	0.68	0.90	1.02	1.13	1.37
PNEUMONIA/INFLUENZA	2069	0.44	0.79	0.97	1.17	1.68	0.57	0.85	1.01	1.17	1.59	0.61	0.87	1.01	1.16	1.53
COPD	310	0.21	0.67	0.92	1.30	2.17	0.39	0.79	0.98	1.20	1.81	0.51	0.82	0.99	1.19	1.59
TRANS. CEREBRAL ISCHEMIA	495	0.00	0.00	0.84	1.48	2.94	0.00	0.48	0.92	1.39	2.28	0.21	0.60	0.92	1.27	1.92
STROKE	1726	0.51	0.79	0.95	1.12	1.56	0.60	0.84	0.98	1.13	1.44	0.64	0.88	1.00	1.13	1.42
HIP FRACTURE	1119	0.24	0.65	0.96	1.27	2.07	0.40	0.78	0.98	1.21	1.77	0.47	0.80	0.98	1.17	1.64
SEPSIS	133	0.58	0.77	0.92	1.08	1.64	0.56	0.86	1.00	1.13	1.54	0.67	0.88	1.02	1.14	1.53
PROCEDURES																
ANGIOPLASTY	297	0.00	0.50	0.87	1.35	2.60	0.00	0.59	0.91	1.34	2.50	0.00	0.65	0.95	1.31	2.25
CABG	478	0.21	0.68	0.98	1.39	2.40	0.32	0.73	1.00	1.36	2.12	0.38	0.75	1.01	1.31	2.04
PACEMAKER	83	0.00	0.34	0.65	1.04	1.75	0.01	0.54	0.85	1.03	1.70	0.23	0.69	0.87	1.10	1.57
CAROTID ENDARTERECTOMY	69	0.00	0.00	0.60	1.23	3.30	0.00	0.33	0.62	1.09	2.50	0.00	0.44	0.68	1.16	1.87
HIP REPLACEMENT	670	0.00	0.49	0.95	1.40	2.65	0.00	0.66	1.01	1.31	2.15	0.24	0.70	0.96	1.24	1.87
REDUCT. OF HIP FRACTURE	259	0.00	0.61	0.91	1.26	2.16	0.38	0.74	0.96	1.21	1.94	0.44	0.77	0.96	1.16	1.79
PROSTATECTOMY	1619	0.00	0.00	0.78	1.53	3.69	0.00	0.54	0.92	1.39	2.57	0.00	0.61	0.93	1.30	2.21
CHOLECYSTECTOMY	642	0.00	0.50	0.96	1.44	3.04	0.00	0.61	0.96	1.36	2.26	0.25	0.66	0.96	1.27	2.01
HYSTERECTOMY	90	0.00	0.00	0.00	1.57	5.00	0.00	0.00	0.68	1.43	2.83	0.00	0.28	0.67	1.15	2.88

Table A-9

SMR DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY8890

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(<2250 CASES)	3015	0.48	0.90	1.04	1.20	1.61	0.58	0.91	1.03	1.15	1.46	0.62	0.91	1.02	1.12	1.38
OVERALL(>=2250 CASES)	2686	0.75	0.91	1.00	1.09	1.30	0.81	0.95	1.01	1.08	1.25	0.84	0.95	1.01	1.07	1.22
CONDITIONS																
AMI	3209	0.63	0.88	1.01	1.16	1.52	0.71	0.92	1.05	1.18	1.49	0.72	0.93	1.04	1.17	1.45
CHF	4109	0.51	0.84	0.99	1.16	1.62	0.63	0.88	1.00	1.12	1.42	0.69	0.91	1.01	1.11	1.36
PNEUMONIA/INFLUENZA	4483	0.46	0.80	0.97	1.15	1.60	0.54	0.85	0.99	1.14	1.50	0.61	0.88	1.00	1.14	1.45
COPD	2130	0.21	0.69	0.96	1.27	2.05	0.40	0.78	0.99	1.21	1.76	0.49	0.82	1.00	1.20	1.60
TRANS. CEREBRAL ISCHEMIA	2110	0.00	0.43	0.89	1.45	3.06	0.00	0.62	0.94	1.32	2.21	0.22	0.69	0.96	1.25	1.88
STROKE	3521	0.59	0.86	0.99	1.17	1.64	0.67	0.90	1.01	1.15	1.50	0.70	0.91	1.02	1.14	1.45
HIP FRACTURE	2843	0.30	0.75	0.99	1.27	2.02	0.49	0.82	1.00	1.20	1.73	0.54	0.84	1.00	1.16	1.60
SEPSIS	1574	0.56	0.82	0.97	1.14	1.60	0.65	0.89	1.01	1.15	1.52	0.69	0.92	1.03	1.15	1.47
PROCEDURES																
ANGIOPLASTY	657	0.00	0.56	0.88	1.27	2.16	0.18	0.65	0.94	1.26	2.05	0.24	0.69	0.95	1.25	1.99
CABG	741	0.34	0.77	1.11	1.43	2.53	0.36	0.80	1.07	1.35	2.30	0.43	0.82	1.05	1.34	2.13
PACEMAKER	977	0.00	0.49	0.83	1.23	2.34	0.21	0.68	0.94	1.23	1.89	0.36	0.74	0.93	1.19	1.76
CAROTID ENDARTERECTOMY	572	0.00	0.00	0.91	1.55	3.66	0.00	0.52	0.87	1.35	2.68	0.00	0.56	0.91	1.31	2.29
HIP REPLACEMENT	2068	0.00	0.65	0.99	1.37	2.33	0.33	0.76	1.00	1.28	1.90	0.36	0.78	1.00	1.22	1.72
REDUCT. OF HIP FRACTURE	1784	0.25	0.68	0.96	1.29	2.09	0.42	0.77	0.98	1.21	1.80	0.48	0.81	0.97	1.18	1.64
PROSTATECTOMY	2924	0.00	0.00	0.83	1.41	3.16	0.00	0.61	0.96	1.31	2.39	0.18	0.69	0.94	1.22	2.00
CHOLECYSTECTOMY	2456	0.00	0.62	1.01	1.48	2.72	0.18	0.70	1.00	1.31	2.14	0.29	0.74	0.97	1.24	1.95
HYSTERECTOMY	1017	0.00	0.00	0.00	0.79	2.37	0.00	0.00	0.44	0.77	1.72	0.00	0.27	0.50	0.77	1.67

Table A-10

STANDARD DEVIATION (SD) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2645	1.19	1.71	2.21	3.01	5.30	1.43	2.05	2.62	3.55	6.12	1.60	2.21	2.84	3.88	6.58
OVERALL(>= 750 CASES)	2684	0.45	0.71	0.89	1.12	1.63	0.55	0.84	1.06	1.33	1.89	0.61	0.91	1.16	1.44	2.05
CONDITIONS																
AMI	1405	3.49	5.10	6.11	7.44	10.54	3.55	5.28	6.39	7.78	10.97	3.68	5.40	6.57	7.88	10.96
CHF	2335	2.58	3.81	4.70	5.70	8.20	3.11	4.51	5.63	6.79	9.81	3.33	4.85	5.96	7.37	10.42
PNEUMONIA/INFLUENZA	2428	3.00	4.19	5.07	6.16	8.86	3.36	4.79	5.73	6.97	9.85	3.60	5.04	6.06	7.32	10.16
COPD	435	2.90	3.70	4.46	5.42	7.56	3.68	4.84	5.62	6.99	9.92	4.00	5.51	6.45	7.61	10.79
TRANS. CEREBRAL ISCHEMIA	402	1.31	1.81	2.09	2.53	3.54	1.98	2.71	3.12	3.73	5.18	2.58	3.41	4.06	4.82	6.39
STROKE	1789	3.21	4.63	5.61	6.73	9.27	3.53	5.10	6.16	7.41	10.44	3.69	5.28	6.42	7.67	10.72
HIP FRACTURE	1199	2.24	3.16	3.70	4.48	6.39	2.94	4.04	4.86	5.88	8.15	3.28	4.51	5.40	6.56	8.84
SEPSIS	254	4.54	6.13	6.95	8.24	11.38	4.53	6.65	7.64	9.18	12.17	4.74	6.90	7.82	9.46	11.74
PROCEDURES																
ANGIOPLASTY	413	.	1.73	2.24	2.88	4.08	.	2.05	2.53	3.19	4.72	.	2.26	2.88	3.51	4.88
CABG	553	1.49	2.31	3.00	3.77	5.14	1.66	2.82	3.43	4.32	6.26	1.78	2.94	3.65	4.57	6.47
PACEMAKER	112	1.66	2.35	2.79	3.24	4.74	2.30	3.29	3.88	4.73	6.53	2.67	4.08	4.69	5.61	7.87
CAROTID ENDARTERECTOMY	70	.	1.63	1.88	2.25	2.85	.	2.16	2.63	3.30	3.90	.	2.61	3.16	3.80	5.07
HIP REPLACEMENT	761	1.14	2.03	2.57	3.17	4.70	1.56	2.69	3.38	4.20	6.14	1.82	3.14	3.93	4.85	6.89
REDUCT. OF HIP FRACTURE	276	2.57	3.32	3.79	4.62	6.12	3.36	4.29	5.01	6.01	8.05	3.67	4.88	5.63	6.83	9.04
PROSTATECTOMY	1546	0.54	1.07	1.34	1.62	2.52	0.84	1.61	2.00	2.50	3.67	1.15	2.13	2.66	3.27	4.63
CHOLECYSTECTOMY	705	1.46	2.08	2.54	3.10	4.18	1.90	2.81	3.34	4.14	5.51	2.21	3.21	3.85	4.60	6.37
HYSTERECTOMY	99	.	0.85	1.20	1.44	1.98	.	1.38	1.79	2.24	3.04	.	1.69	2.28	2.74	3.33

Table A-10

STANDARD DEVIATION (SD) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	1.19	1.71	2.24	3.00	5.27	1.41	2.01	2.65	3.59	6.18	1.54	2.22	2.89	3.87	6.84
OVERALL(>= 750 CASES)	2669	0.46	0.71	0.90	1.14	1.61	0.55	0.84	1.07	1.37	1.96	0.62	0.93	1.18	1.48	2.12
CONDITIONS																
AMI	1412	3.55	5.22	6.27	7.62	10.47	3.69	5.48	6.54	7.97	11.17	3.73	5.65	6.68	8.08	11.34
CHF	2293	2.65	3.91	4.81	6.00	8.26	3.16	4.68	5.78	7.03	10.22	3.39	5.04	6.16	7.57	10.82
PNEUMONIA/INFLUENZA	2179	3.17	4.44	5.28	6.45	8.72	3.61	5.03	6.00	7.32	10.35	3.83	5.33	6.34	7.68	10.74
COPD	324	2.68	3.73	4.37	5.40	7.22	3.56	4.87	5.61	6.65	9.16	4.29	5.52	6.32	7.65	9.91
TRANS. CEREBRAL ISCHEMIA	419	1.31	1.85	2.16	2.52	3.90	1.95	2.69	3.18	3.80	5.21	2.49	3.38	3.96	4.68	6.21
STROKE	1728	3.34	4.65	5.62	6.77	9.45	3.62	5.13	6.20	7.51	10.80	3.85	5.33	6.42	7.85	11.06
HIP FRACTURE	1126	2.19	3.13	3.69	4.36	6.40	2.86	4.06	4.82	5.78	7.98	3.30	4.56	5.39	6.49	8.87
SEPSIS	174	4.88	6.20	7.02	8.28	10.79	5.35	6.64	7.63	8.89	11.60	5.50	6.88	7.98	9.33	12.20
PROCEDURES																
ANGIOPLASTY	362	0.72	1.96	2.58	3.19	4.82	0.94	2.23	2.87	3.56	5.28	1.02	2.43	3.16	3.81	5.52
CABG	501	1.52	2.48	3.08	3.86	5.54	1.83	2.85	3.64	4.49	6.50	1.89	3.02	3.74	4.75	6.80
PACEMAKER	91	1.86	2.51	2.92	3.37	4.52	2.45	3.33	3.96	4.85	6.11	2.88	4.09	4.67	5.43	7.31
CAROTID ENDARTERECTOMY	52	.	1.56	1.93	2.21	2.81	.	2.05	2.43	2.90	3.82	.	2.57	3.10	3.54	4.46
HIP REPLACEMENT	680	1.01	1.95	2.42	3.01	4.51	1.37	2.63	3.28	4.09	5.92	1.74	3.05	3.82	4.69	6.60
REDUCT. OF HIP FRACTURE	246	2.64	3.28	3.81	4.41	6.21	3.41	4.40	5.05	6.08	8.26	3.87	4.91	5.72	6.96	9.05
PROSTATECTOMY	1557	0.71	1.13	1.41	1.77	2.73	1.07	1.69	2.14	2.64	3.90	1.41	2.23	2.76	3.43	4.92
CHOLECYSTECTOMY	676	1.48	2.12	2.57	3.11	4.48	2.02	2.89	3.42	4.15	5.85	2.35	3.33	3.91	4.69	6.54
HYSTERECTOMY	92	.	1.06	1.28	1.56	2.00	.	1.55	1.94	2.44	3.10	.	2.00	2.43	3.02	3.85

Table A-10

STANDARD DEVIATION (SD) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	1.19	1.72	2.27	3.04	5.30	1.43	2.05	2.67	3.59	6.22	1.58	2.24	2.87	3.87	6.86
OVERALL(>= 750 CASES)	2693	0.46	0.71	0.90	1.13	1.65	0.56	0.86	1.08	1.34	1.95	0.61	0.94	1.18	1.47	2.14
CONDITIONS																
AMI	1414	3.57	5.25	6.31	7.65	11.14	3.68	5.48	6.53	7.95	11.48	3.78	5.62	6.72	8.16	11.62
CHF	2246	2.87	4.08	5.00	6.09	8.48	3.23	4.81	5.85	7.13	10.29	3.45	5.12	6.25	7.55	10.76
PNEUMONIA/INFLUENZA	2069	3.29	4.58	5.43	6.54	9.08	3.70	5.10	6.10	7.48	10.15	3.92	5.43	6.40	7.75	10.64
COPD	310	2.87	3.96	4.68	5.49	7.75	3.74	4.95	5.87	6.85	9.20	4.18	5.60	6.55	7.69	10.02
TRANS. CEREBRAL ISCHEMIA	493	1.29	1.82	2.16	2.56	3.85	2.03	2.74	3.20	3.80	5.46	2.52	3.43	3.99	4.83	6.61
STROKE	1726	3.47	4.82	5.75	6.86	9.87	3.76	5.24	6.27	7.61	10.93	3.82	5.47	6.54	7.93	11.09
HIP FRACTURE	1119	2.31	3.13	3.74	4.42	6.11	2.96	4.09	4.81	5.75	8.04	3.33	4.57	5.41	6.48	8.79
SEPSIS	133	5.00	6.37	7.13	8.12	10.56	5.26	6.64	7.89	9.06	11.28	5.68	6.80	7.77	9.22	11.53
PROCEDURES																
ANGIOPLASTY	292	0.98	2.16	2.75	3.49	5.03	1.10	2.40	3.10	3.84	5.62	1.40	2.66	3.39	4.15	5.89
CABG	478	1.63	2.66	3.26	4.06	5.94	1.91	3.05	3.79	4.66	6.73	2.06	3.18	3.95	4.94	7.06
PACEMAKER	83	2.07	2.92	3.55	4.30	6.28	2.52	3.62	4.24	5.14	7.21	3.08	4.18	4.90	6.07	8.22
CAROTID ENDARTERECTOMY	65	.	1.65	2.00	2.30	2.80	.	2.30	2.63	3.20	4.23	.	2.62	3.18	3.98	5.16
HIP REPLACEMENT	667	1.05	2.00	2.56	3.18	4.52	1.51	2.69	3.39	4.24	6.14	1.85	3.16	3.94	4.78	6.92
REDUCT. OF HIP FRACTURE	259	2.64	3.36	3.79	4.59	6.13	3.36	4.56	5.11	6.26	8.55	3.99	5.04	5.99	7.03	9.36
PROSTATECTOMY	1604	0.70	1.13	1.43	1.78	2.82	1.09	1.72	2.19	2.70	3.90	1.42	2.23	2.77	3.46	4.84
CHOLECYSTECTOMY	641	1.68	2.21	2.66	3.24	4.55	2.20	2.97	3.57	4.19	5.87	2.43	3.39	4.06	4.80	6.39
HYSTERECTOMY	79	.	1.01	1.31	1.62	2.04	.	1.64	2.04	2.41	3.08	.	1.93	2.47	2.92	3.58

Table A-10

SD DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY8890

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(<2250 CASES)	3015	0.69	1.01	1.35	1.89	4.16	0.84	1.20	1.58	2.25	4.89	0.91	1.31	1.74	2.45	5.20
OVERALL(>=2250 CASES)	2686	0.26	0.41	0.52	0.65	0.94	0.33	0.50	0.62	0.78	1.14	0.36	0.54	0.68	0.85	1.23
CONDITIONS																
AMI	3209	2.29	3.77	4.99	6.52	9.90	2.39	4.00	5.24	6.86	10.34	2.46	4.10	5.33	6.91	10.32
CHF	4109	1.71	2.72	3.71	4.91	7.80	1.98	3.22	4.35	5.81	9.34	2.16	3.45	4.66	6.23	9.79
PNEUMONIA/INFLUENZA	4483	2.01	3.07	3.94	5.08	7.78	2.32	3.47	4.46	5.77	8.95	2.46	3.69	4.75	6.10	9.26
COPD	2130	2.05	3.09	3.81	4.62	6.62	2.69	3.97	4.84	5.91	8.43	2.99	4.49	5.44	6.64	9.43
TRANS. CEREBRAL ISCHEMIA	2106	0.96	1.45	1.79	2.24	3.40	1.40	2.16	2.68	3.35	4.86	1.75	2.76	3.41	4.22	6.17
STROKE	3521	2.14	3.29	4.38	5.72	8.97	2.30	3.58	4.79	6.31	10.14	2.42	3.76	5.03	6.53	10.47
HIP FRACTURE	2843	1.47	2.30	2.91	3.72	5.71	1.92	2.98	3.81	4.89	7.39	2.13	3.32	4.26	5.45	8.30
SEPSIS	1574	3.58	5.26	6.28	7.47	10.36	3.91	5.63	6.75	8.15	10.95	4.02	5.82	7.01	8.31	11.14
PROCEDURES																
ANGIOPLASTY	653	0.75	1.37	1.83	2.46	3.96	0.92	1.57	2.05	2.78	4.40	1.04	1.71	2.27	3.05	4.93
CABG	739	0.95	1.61	2.22	2.98	4.92	1.10	1.90	2.57	3.49	5.86	1.15	1.99	2.65	3.68	6.05
PACEMAKER	976	1.55	2.31	2.80	3.48	4.99	2.03	3.06	3.71	4.52	6.72	2.42	3.59	4.33	5.22	7.46
CAROTID ENDARTERECTOMY	563	0.84	1.44	1.76	2.13	3.16	1.15	2.01	2.38	2.95	4.19	1.37	2.44	2.95	3.44	4.84
HIP REPLACEMENT	2065	0.86	1.62	2.21	2.91	4.66	1.17	2.18	2.98	3.95	6.08	1.37	2.49	3.39	4.49	6.89
REDUCT. OF HIP FRACTURE	1784	1.88	2.74	3.32	4.07	5.99	2.45	3.60	4.44	5.39	7.66	2.72	4.10	5.00	6.07	8.59
PROSTATECTOMY	2914	0.47	0.79	1.07	1.43	2.40	0.71	1.19	1.59	2.14	3.60	0.92	1.55	2.08	2.79	4.43
CHOLECYSTECTOMY	2446	1.07	1.66	2.10	2.65	3.96	1.44	2.21	2.78	3.51	5.23	1.65	2.52	3.17	3.96	5.83
HYSTERECTOMY	918	.	1.23	1.59	2.00	2.52	.	1.72	2.25	2.79	3.62	.	2.09	2.68	3.28	4.17

Table A-11

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2645	1.04	1.70	2.72	5.02	13.73	1.54	2.45	3.87	7.12	19.23	1.89	2.93	4.62	8.45	22.76
OVERALL(>= 750 CASES)	2684	0.14	0.30	0.46	0.71	1.15	0.21	0.43	0.67	1.01	1.62	0.25	0.51	0.80	1.21	1.92
CONDITIONS																
AMI	1405	8.13	16.48	23.04	29.79	38.87	8.87	17.64	24.74	31.94	41.21	9.42	18.65	26.13	33.69	42.87
CHF	2335	4.55	8.62	12.14	17.20	24.17	6.49	12.34	17.36	24.67	34.15	7.63	14.46	20.34	28.81	39.69
PNEUMONIA/INFLUENZA	2428	6.41	11.15	14.98	19.32	26.45	8.18	14.25	19.24	24.77	33.42	9.17	15.94	21.61	27.91	36.96
COPD	435	5.41	8.80	11.18	13.41	18.05	9.22	14.62	18.23	21.54	27.71	11.89	18.87	23.21	26.67	33.54
TRANS. CEREBRAL ISCHEMIA	402	1.30	2.19	2.63	3.18	4.04	2.83	4.78	5.74	6.79	8.51	4.43	7.51	9.12	10.67	13.09
STROKE	1789	7.67	13.37	18.21	23.98	31.54	9.30	16.41	22.23	29.47	37.79	10.13	17.85	24.15	32.02	40.68
HIP FRACTURE	1199	3.58	6.16	7.94	9.93	13.05	6.04	10.37	13.31	16.65	21.50	7.57	13.01	16.70	20.88	26.39
SEPSIS	254	14.95	25.43	30.68	35.07	41.46	16.43	29.80	36.15	40.63	46.73	16.66	31.20	38.41	43.02	48.05
PROCEDURES																
ANGIOPLASTY	413	.	1.96	2.99	4.12	7.01	.	2.59	3.90	5.26	8.65	.	3.22	4.72	6.47	10.19
CABG	553	1.54	3.25	4.81	6.75	10.55	2.10	4.53	6.68	9.21	14.15	2.37	5.10	7.46	10.36	15.61
PACEMAKER	112	2.10	3.62	4.56	5.77	7.43	4.15	7.05	8.72	10.87	13.40	5.99	10.06	12.38	15.05	18.01
CAROTID ENDARTERECTOMY	70	.	1.97	2.37	2.66	3.25	.	3.65	4.37	4.91	5.81	.	5.39	6.25	7.25	8.21
HIP REPLACEMENT	761	0.73	2.34	3.64	5.13	7.62	1.37	4.30	6.60	9.17	13.36	1.87	5.75	8.79	12.05	17.35
REDUCT. OF HIP FRACTURE	276	4.42	7.55	8.81	10.00	12.92	7.64	13.08	15.37	17.46	21.89	9.73	16.69	19.38	22.20	27.46
PROSTATECTOMY	1546	0.24	0.71	1.00	1.41	2.20	0.56	1.62	2.29	3.26	5.04	0.97	2.75	3.87	5.47	8.25
CHOLECYSTECTOMY	705	1.49	2.71	3.48	4.46	6.99	2.63	4.93	6.28	7.92	12.07	3.44	6.50	8.30	10.28	15.67
HYSTERECTOMY	99	.	0.54	0.88	1.23	1.57	.	1.26	2.02	2.71	3.54	.	2.08	3.28	4.32	5.53

Table A-11

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	1.01	1.70	2.78	5.09	13.83	1.50	2.44	3.93	7.20	19.20	1.86	2.91	4.72	8.62	22.76
OVERALL(>= 750 CASES)	2669	0.15	0.30	0.47	0.73	1.14	0.21	0.44	0.68	1.04	1.60	0.26	0.53	0.82	1.24	1.89
CONDITIONS																
AMI	1412	8.79	17.37	24.03	30.63	38.75	9.48	18.57	25.82	32.78	41.04	10.01	19.51	27.08	34.36	42.88
CHF	2293	4.84	9.24	12.93	18.23	24.97	6.84	13.13	18.37	25.97	34.98	7.98	15.32	21.38	30.23	40.35
PNEUMONIA/INFLUENZA	2179	7.12	12.26	16.19	20.65	27.34	9.20	15.60	20.67	26.45	34.59	10.28	17.49	23.21	29.68	38.46
COPD	324	5.64	8.88	11.12	13.30	18.10	9.76	14.87	18.06	20.90	27.50	12.65	18.99	23.29	26.23	32.72
TRANS. CEREBRAL ISCHEMIA	419	1.14	2.12	2.61	3.09	4.04	2.52	4.66	5.68	6.73	8.69	4.15	7.48	9.14	10.62	13.59
STROKE	1728	7.90	13.75	18.61	24.30	32.20	9.69	16.75	22.84	29.79	38.42	10.49	18.11	24.81	32.16	41.37
HIP FRACTURE	1126	3.46	6.06	8.00	9.80	12.65	5.98	10.37	13.63	16.63	21.03	7.60	13.19	17.15	20.88	26.03
SEPSIS	174	16.09	25.56	30.55	35.36	41.70	18.86	29.67	35.62	39.70	46.01	19.53	31.18	37.46	42.08	47.76
PROCEDURES																
ANGIOPLASTY	362	0.46	2.41	3.61	5.07	7.63	0.62	3.07	4.58	6.28	8.92	0.75	3.83	5.57	7.51	10.38
CABG	501	1.58	3.42	5.24	7.15	11.40	2.16	4.78	7.12	9.81	15.74	2.42	5.38	7.97	10.98	17.44
PACEMAKER	91	2.51	3.90	4.68	6.21	8.88	4.84	7.37	8.85	11.19	15.01	6.90	10.47	12.68	15.41	20.11
CAROTID ENDARTERECTOMY	52	.	1.65	2.04	2.41	3.37	.	3.05	3.74	4.33	6.05	.	4.46	5.32	6.24	8.46
HIP REPLACEMENT	680	0.69	2.32	3.49	4.76	7.46	1.33	4.34	6.49	8.85	13.34	1.87	5.85	8.75	11.83	17.47
REDUCT. OF HIP FRACTURE	246	4.72	7.28	8.80	10.28	13.05	8.56	12.83	15.21	17.57	21.99	10.99	16.38	19.45	22.31	27.83
PROSTATECTOMY	1557	0.32	0.75	1.10	1.53	2.52	0.71	1.72	2.50	3.49	5.66	1.22	2.91	4.21	5.82	9.21
CHOLECYSTECTOMY	676	1.62	2.91	3.77	4.65	6.76	2.92	5.23	6.73	8.36	11.61	3.87	6.92	8.76	10.87	14.89
HYSTERECTOMY	92	.	0.78	1.08	1.56	2.08	.	1.68	2.34	3.25	4.56	.	2.59	3.60	4.94	6.67

Table A-11

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS 2.5%	25%	50%	75%	97.5%	90 DAYS 2.5%	25%	50%	75%	97.5%	180 DAYS 2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	1.03	1.74	2.83	5.05	14.06	1.54	2.50	4.00	7.14	19.60	1.87	2.98	4.78	8.54	23.01
OVERALL(>= 750 CASES)	2693	0.15	0.31	0.48	0.74	1.14	0.22	0.45	0.69	1.06	1.60	0.26	0.54	0.83	1.26	1.88
CONDITIONS																
AMI	1414	8.94	18.29	25.01	31.93	40.44	9.62	19.49	26.58	34.05	42.51	10.09	20.38	27.92	35.56	44.07
CHF	2246	5.37	9.93	13.92	19.25	25.95	7.46	13.87	19.46	26.85	35.74	8.48	15.90	22.41	30.92	40.75
PNEUMONIA/INFLUENZA	2069	7.86	13.18	17.13	21.53	28.43	9.80	16.63	21.64	27.28	35.40	10.86	18.43	24.05	30.44	38.94
COPD	310	6.34	9.53	11.56	15.16	19.39	10.72	15.77	18.76	23.48	29.27	13.40	19.87	23.65	28.93	34.95
TRANS. CEREBRAL ISCHEMIA	493	1.21	2.19	2.74	3.25	4.26	2.59	4.73	5.93	7.00	8.84	4.04	7.47	9.27	10.95	13.69
STROKE	1726	8.09	14.21	19.42	25.36	33.24	9.77	17.27	23.58	30.56	39.27	10.51	18.66	25.49	32.92	41.95
HIP FRACTURE	1119	3.39	6.06	8.15	10.06	13.17	6.04	10.45	13.96	17.16	21.85	7.71	13.24	17.57	21.53	27.08
SEPSIS	133	16.93	27.91	32.22	36.64	44.14	19.70	31.53	37.37	41.86	47.54	20.88	32.92	39.34	43.80	48.57
PROCEDURES																
ANGIOPLASTY	292	0.68	2.74	4.10	5.67	8.71	0.92	3.49	4.99	6.95	10.11	1.15	4.21	5.92	8.20	11.69
CABG	478	1.82	3.91	5.72	7.95	12.55	2.48	5.40	7.73	10.78	16.89	2.77	5.96	8.60	11.90	18.42
PACEMAKER	83	3.20	5.07	7.09	8.93	13.31	5.53	8.73	11.63	14.12	19.71	7.63	11.75	14.94	18.02	24.45
CAROTID ENDARTERECTOMY	65	.	1.80	2.27	2.85	3.42	.	3.39	4.22	5.18	6.23	.	4.83	6.01	7.15	8.76
HIP REPLACEMENT	667	0.82	2.42	3.56	5.01	7.90	1.59	4.56	6.59	9.18	14.00	2.23	6.16	8.74	12.05	18.33
REDUCT. OF HIP FRACTURE	259	4.69	7.50	8.69	10.13	12.83	8.25	13.25	15.28	17.86	21.82	10.57	16.94	19.72	22.76	27.10
PROSTATECTOMY	1604	0.34	0.79	1.15	1.59	2.60	0.78	1.82	2.63	3.63	5.82	1.33	3.05	4.40	5.99	9.41
CHOLECYSTECTOMY	641	1.80	3.01	3.89	4.90	7.39	3.22	5.42	6.91	8.75	12.97	4.33	7.20	8.94	11.35	16.59
HYSTERECTOMY	79	.	0.75	1.14	1.58	2.12	.	1.70	2.56	3.50	4.30	.	2.73	4.06	5.27	6.41

Table A-11

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY8890

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS 2.5%	30 DAYS 25%	30 DAYS 50%	30 DAYS 75%	30 DAYS 97.5%	90 DAYS 2.5%	90 DAYS 25%	90 DAYS 50%	90 DAYS 75%	90 DAYS 97.5%	180 DAYS 2.5%	180 DAYS 25%	180 DAYS 50%	180 DAYS 75%	180 DAYS 97.5%
OVERALL(<2250 CASES)	3015	0.35	0.60	1.01	2.02	9.14	0.53	0.86	1.45	2.86	12.61	0.64	1.03	1.74	3.43	15.02
OVERALL(>=2250 CASES)	2686	0.05	0.10	0.16	0.24	0.38	0.07	0.15	0.23	0.35	0.53	0.09	0.18	0.27	0.42	0.63
CONDITIONS																
AMI	3209	3.56	8.68	14.51	23.44	37.18	3.83	9.27	15.49	25.10	39.46	4.04	9.70	16.21	26.37	41.29
CHF	4109	1.88	4.08	7.36	13.17	23.80	2.67	5.78	10.44	18.55	33.39	3.09	6.72	12.10	21.50	38.55
PNEUMONIA/INFLUENZA	4483	2.75	5.40	8.78	13.72	24.21	3.50	6.91	11.18	17.65	30.92	3.90	7.73	12.55	19.92	34.45
COPD	2130	2.74	5.69	8.12	10.78	16.30	4.59	9.30	13.32	17.49	25.20	5.76	11.80	16.80	22.11	30.96
TRANS. CEREBRAL ISCHEMIA	2106	0.60	1.26	1.85	2.56	3.75	1.30	2.75	4.03	5.61	8.19	2.06	4.33	6.33	8.86	12.82
STROKE	3521	3.07	6.31	10.66	18.27	30.77	3.73	7.69	13.01	22.23	37.17	4.00	8.35	14.09	24.22	40.08
HIP FRACTURE	2843	1.45	3.02	4.79	7.21	12.04	2.46	5.12	8.08	12.16	19.93	3.10	6.43	10.07	15.26	24.85
SEPSIS	1574	8.39	17.18	23.01	30.28	38.88	9.68	20.07	27.01	35.28	44.19	10.31	21.15	28.60	37.14	46.08
PROCEDURES																
ANGIOPLASTY	653	0.37	1.12	1.83	3.09	6.65	0.50	1.44	2.35	3.87	8.02	0.60	1.75	2.85	4.60	9.69
CABG	739	0.60	1.42	2.38	4.34	9.43	0.82	1.97	3.23	5.87	12.16	0.91	2.20	3.58	6.54	13.44
PACEMAKER	976	1.48	3.27	4.56	6.08	9.15	2.63	5.86	8.06	10.47	15.17	3.67	8.06	10.91	14.19	19.74
CAROTID ENDARTERECTOMY	563	0.47	1.28	1.82	2.26	3.18	0.87	2.35	3.33	4.16	5.83	1.27	3.41	4.75	5.99	8.27
HIP REPLACEMENT	2065	0.48	1.55	2.72	4.45	8.21	0.86	2.82	4.97	8.09	14.66	1.16	3.77	6.61	10.62	19.05
REDUCT. OF HIP FRACTURE	1784	2.37	4.54	6.34	8.34	11.67	4.17	7.97	11.04	14.49	20.12	5.28	10.19	14.02	18.45	25.37
PROSTATECTOMY	2914	0.14	0.35	0.60	1.06	2.13	0.32	0.80	1.37	2.43	4.84	0.54	1.35	2.29	4.00	7.89
CHOLECYSTECTOMY	2446	0.78	1.60	2.41	3.50	6.20	1.39	2.87	4.30	6.24	10.89	1.83	3.74	5.61	8.13	14.11
HYSTERECTOMY	918	.	0.95	1.53	2.23	3.47	.	1.83	2.91	4.15	6.22	.	2.60	4.04	5.71	8.27

Table A-12

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS 2.5%	30 DAYS 25%	30 DAYS 50%	30 DAYS 75%	30 DAYS 97.5%	90 DAYS 2.5%	90 DAYS 25%	90 DAYS 50%	90 DAYS 75%	90 DAYS 97.5%	180 DAYS 2.5%	180 DAYS 25%	180 DAYS 50%	180 DAYS 75%	180 DAYS 97.5%
OVERALL(< 750 CASES)	2645	0.00	0.35	1.29	3.13	13.54	0.01	0.57	1.80	4.22	19.07	0.01	0.63	2.14	4.94	21.83
OVERALL(>= 750 CASES)	2684	0.00	0.05	0.17	0.42	1.29	0.00	0.07	0.25	0.60	1.87	0.00	0.09	0.32	0.72	2.20
CONDITIONS																
AMI	1405	0.04	3.41	11.49	27.05	78.10	0.03	3.13	11.90	29.87	81.21	0.02	3.35	12.49	30.03	81.46
CHF	2335	0.01	1.69	6.42	14.95	42.28	0.03	2.27	9.39	21.32	61.26	0.03	2.64	9.99	24.32	68.83
PNEUMONIA/INFLUENZA	2428	0.02	1.94	8.04	18.39	53.43	0.03	2.69	10.28	23.97	67.60	0.02	2.83	11.01	24.51	69.19
COPD	435	0.01	1.20	4.96	12.40	35.29	0.03	2.64	9.52	24.81	56.28	0.06	3.71	13.76	28.50	74.38
TRANS. CEREBRAL ISCHEMIA	402	0.00	0.07	0.23	1.25	7.43	0.00	0.41	1.29	3.31	15.83	0.01	0.83	3.33	7.17	24.60
STROKE	1789	0.05	2.62	8.86	21.30	55.17	0.04	3.04	11.51	26.72	75.13	0.04	3.13	12.20	28.16	78.22
HIP FRACTURE	1199	0.01	0.95	3.70	8.89	24.03	0.02	2.02	7.45	17.11	44.36	0.01	2.27	9.16	21.06	51.97
SEPSIS	254	0.09	4.10	13.03	28.15	93.52	0.10	4.34	16.18	38.79	97.45	0.01	4.22	16.46	42.14	91.65
PROCEDURES																
ANGIOPLASTY	413	.	0.11	0.87	2.37	9.19	.	0.24	1.06	3.40	11.66	.	0.37	1.49	4.09	15.13
CABG	553	0.02	0.80	2.67	6.49	17.13	0.01	1.26	4.18	9.27	26.77	0.01	1.37	4.28	10.65	29.31
PACEMAKER	112	0.00	0.19	1.35	3.68	10.67	0.03	1.07	3.77	7.67	25.65	0.03	2.28	6.47	11.95	40.09
CAROTID ENDARTERECTOMY	70	.	0.04	0.15	0.69	3.04	.	0.10	0.56	1.84	6.63	.	0.17	1.48	3.35	12.95
HIP REPLACEMENT	761	0.00	0.22	1.25	3.52	11.17	0.00	0.75	3.00	7.44	21.92	0.00	0.95	4.15	9.94	28.02
REDUCT. OF HIP FRACTURE	276	0.00	0.89	3.22	8.67	23.52	0.01	1.49	6.46	16.02	42.52	0.02	1.55	7.59	21.26	57.04
PROSTATECTOMY	1546	0.00	0.02	0.08	0.39	2.08	0.00	0.13	0.45	1.24	5.01	0.00	0.34	1.28	2.93	9.73
CHOLECYSTECTOMY	705	0.00	0.22	1.11	3.20	10.04	0.00	0.63	2.59	6.99	18.14	0.00	0.93	3.53	9.33	23.03
HYSTERECTOMY	99	.	0.00	0.02	0.06	0.13	.	0.01	0.15	0.33	0.64	.	0.06	0.41	0.70	1.54

Table A-12

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	0.00	0.39	1.29	3.09	13.85	0.01	0.46	1.68	4.32	18.77	0.01	0.60	2.07	4.87	21.17
OVERALL(>= 750 CASES)	2669	0.00	0.05	0.18	0.41	1.40	0.00	0.08	0.25	0.60	1.99	0.00	0.09	0.31	0.72	2.18
CONDITIONS																
AMI	1412	0.05	3.31	12.41	28.60	77.97	0.03	3.67	13.10	31.51	85.16	0.04	3.34	13.18	31.07	86.17
CHF	2293	0.02	1.77	6.97	16.71	44.55	0.02	2.55	10.11	23.16	71.83	0.03	2.70	11.02	26.48	79.35
PNEUMONIA/INFLUENZA	2179	0.03	2.58	9.13	20.42	51.03	0.03	3.13	12.09	27.48	75.18	0.03	3.38	12.48	28.19	75.91
COPD	324	0.01	1.17	5.13	13.43	34.71	0.02	2.05	8.54	21.27	57.00	0.03	3.22	12.76	27.82	69.35
TRANS. CEREBRAL ISCHEMIA	419	0.00	0.07	0.29	1.46	7.00	0.00	0.42	1.05	3.61	13.38	0.01	0.94	3.01	7.27	20.28
STROKE	1728	0.03	2.51	8.84	21.07	57.89	0.05	2.90	11.47	27.41	82.85	0.03	3.11	11.99	29.38	83.36
HIP FRACTURE	1126	0.01	0.87	3.31	8.30	24.94	0.01	1.81	7.24	16.53	41.87	0.03	2.23	8.96	20.87	50.54
SEPSIS	174	0.01	4.01	13.68	29.71	81.24	0.09	4.04	17.07	34.66	78.06	0.05	4.36	18.15	35.92	87.49
PROCEDURES																
ANGIOPLASTY	362	0.00	0.13	1.31	4.05	12.89	0.00	0.27	1.81	4.96	15.17	0.00	0.40	2.06	4.87	16.95
CABG	501	0.00	0.83	2.81	6.25	18.68	0.02	1.27	4.30	10.08	28.45	0.00	1.31	5.23	10.93	28.22
PACEMAKER	91	0.00	0.13	1.09	3.37	9.74	0.00	0.36	1.82	6.36	17.14	0.00	0.71	3.79	11.46	29.30
CAROTID ENDARTERECTOMY	52	.	0.04	0.16	1.42	4.43	.	0.15	0.62	2.20	6.85	.	0.47	1.57	3.23	8.33
HIP REPLACEMENT	680	0.00	0.16	0.94	2.81	11.68	0.00	0.37	1.86	6.34	20.19	0.00	0.66	2.73	8.38	24.43
REDUCT. OF HIP FRACTURE	246	0.00	0.73	3.21	8.06	25.17	0.01	1.60	8.12	17.96	43.98	0.02	3.00	10.76	24.82	54.65
PROSTATECTOMY	1557	0.00	0.03	0.09	0.46	2.53	0.00	0.16	0.45	1.37	6.14	0.00	0.40	1.32	2.98	11.75
CHOLECYSTECTOMY	676	0.00	0.20	1.10	3.33	10.59	0.01	0.53	2.56	7.10	19.13	0.01	0.90	3.87	9.50	25.09
HYSTERECTOMY	92	.	0.01	0.03	0.12	0.37	.	0.04	0.18	0.36	1.22	.	0.09	0.43	0.81	2.47

Table A-12

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	0.00	0.36	1.28	3.18	14.09	0.00	0.46	1.71	4.22	18.71	0.01	0.58	2.08	4.84	20.55
OVERALL(>= 750 CASES)	2693	0.00	0.05	0.18	0.41	1.44	0.00	0.07	0.25	0.58	2.07	0.00	0.08	0.30	0.71	2.26
CONDITIONS																
AMI	1414	0.04	2.85	11.32	28.80	87.55	0.03	2.85	12.43	29.91	91.38	0.03	2.85	12.12	30.39	89.12
CHF	2246	0.01	2.03	7.46	16.66	46.23	0.02	2.73	10.42	23.47	68.32	0.04	2.60	10.90	25.65	75.94
PNEUMONIA/INFLUENZA	2069	0.03	2.51	9.36	21.36	55.72	0.02	2.92	12.00	28.09	71.31	0.03	3.45	12.22	28.52	72.55
COPD	310	0.01	0.96	5.73	12.80	33.63	0.06	2.34	9.37	24.08	49.43	0.01	3.26	12.28	29.02	64.83
TRANS. CEREBRAL ISCHEMIA	493	0.00	0.07	0.23	1.51	7.88	0.01	0.45	1.18	3.80	15.14	0.01	1.20	3.20	7.23	21.52
STROKE	1726	0.05	2.81	9.80	21.67	64.37	0.03	3.05	11.75	29.06	84.41	0.02	2.95	12.42	30.05	85.07
HIP FRACTURE	1119	0.01	0.88	3.42	8.23	22.82	0.01	1.78	6.41	15.26	40.45	0.02	2.08	8.05	19.85	50.56
SEPSIS	133	0.06	2.76	12.04	26.98	69.30	0.01	3.78	16.12	36.54	78.51	0.03	3.69	17.68	35.62	79.99
PROCEDURES																
ANGIOPLASTY	292	0.00	0.27	1.63	5.11	16.42	0.00	0.39	2.16	6.62	21.18	0.00	0.58	2.47	6.74	23.99
CABG	478	0.00	1.08	3.75	8.17	21.85	0.03	1.57	5.04	11.76	31.67	0.01	1.50	5.63	12.83	32.49
PACEMAKER	83	0.00	0.37	2.08	4.97	20.43	0.00	0.57	2.48	9.55	32.20	0.00	0.93	3.90	11.86	38.04
CAROTID ENDARTERECTOMY	65	.	0.03	0.16	0.95	4.80	.	0.08	0.47	2.01	9.15	.	0.14	1.17	3.82	14.41
HIP REPLACEMENT	667	0.00	0.18	0.97	3.25	10.12	0.00	0.48	2.39	6.84	21.83	0.00	0.85	3.65	9.36	28.97
REDUCT. OF HIP FRACTURE	259	0.00	0.87	3.08	8.70	23.68	0.02	1.50	7.59	19.95	48.44	0.10	2.84	12.73	24.48	57.95
PROSTATECTOMY	1604	0.00	0.03	0.11	0.47	2.63	0.00	0.14	0.52	1.57	6.41	0.00	0.37	1.46	3.40	11.33
CHOLECYSTECTOMY	641	0.00	0.30	1.36	3.45	11.36	0.00	0.76	3.33	7.00	20.67	0.01	1.12	4.16	10.17	24.65
HYSTERECTOMY	79	.	0.00	0.02	0.07	0.28	.	0.01	0.17	0.35	1.00	.	0.05	0.32	0.74	1.91

Table A-12

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY8890

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(<2250 CASES)	3015	0.00	0.12	0.43	1.08	6.93	0.00	0.16	0.55	1.49	9.91	0.00	0.19	0.67	1.80	11.03
OVERALL(>=2250 CASES)	2686	0.00	0.01	0.04	0.11	0.38	0.00	0.02	0.06	0.16	0.56	0.00	0.02	0.07	0.19	0.64
CONDITIONS																
AMI	3209	0.02	1.90	6.98	18.86	64.42	0.03	1.91	7.48	19.76	72.05	0.02	1.97	7.40	19.13	65.96
CHF	4109	0.01	1.17	3.92	9.71	37.85	0.02	1.59	5.37	13.25	54.99	0.01	1.55	5.84	14.73	58.89
PNEUMONIA/INFLUENZA	4483	0.02	1.53	4.92	11.30	38.09	0.02	1.92	6.52	14.72	50.77	0.03	2.09	6.76	15.44	51.89
COPD	2130	0.01	0.91	3.99	9.24	27.11	0.03	1.94	7.26	15.92	46.92	0.04	2.84	9.30	20.40	57.84
TRANS. CEREBRAL ISCHEMIA	2106	0.00	0.07	0.30	1.14	6.61	0.00	0.33	1.09	3.04	12.59	0.01	0.74	2.55	5.90	21.32
STROKE	3521	0.02	1.53	5.24	13.93	50.85	0.02	1.77	6.51	16.80	67.81	0.02	1.99	6.98	17.11	67.79
HIP FRACTURE	2843	0.00	0.58	2.23	5.55	19.80	0.01	1.18	4.39	11.16	34.38	0.02	1.45	5.84	13.77	43.50
SEPSIS	1574	0.02	2.68	10.72	23.21	66.80	0.03	3.40	12.04	27.36	73.74	0.03	3.36	11.69	27.61	74.69
PROCEDURES																
ANGIOPLASTY	653	0.00	0.19	0.80	2.28	8.91	0.00	0.27	1.03	3.12	12.30	0.00	0.33	1.17	3.43	13.46
CABG	739	0.00	0.50	1.45	3.91	14.80	0.01	0.66	2.18	5.39	20.59	0.01	0.74	2.37	6.21	24.32
PACEMAKER	976	0.00	0.28	1.29	3.73	12.63	0.01	0.68	2.89	7.61	22.48	0.01	1.13	4.32	11.17	31.31
CAROTID ENDARTERECTOMY	563	0.00	0.05	0.26	1.42	6.56	0.00	0.21	0.75	2.75	9.54	0.00	0.44	1.72	4.30	12.97
HIP REPLACEMENT	2065	0.00	0.20	0.94	2.74	11.16	0.01	0.50	2.16	5.85	21.69	0.01	0.70	3.01	8.18	29.59
REDUCT. OF HIP FRACTURE	1784	0.00	0.68	2.56	6.95	20.87	0.01	1.45	5.98	14.19	37.62	0.01	2.04	8.08	18.30	48.06
PROSTATECTOMY	2914	0.00	0.02	0.08	0.26	1.65	0.00	0.09	0.34	0.89	4.61	0.00	0.23	0.85	2.14	8.61
CHOLECYSTECTOMY	2446	0.00	0.21	0.89	2.31	8.00	0.00	0.45	1.93	4.79	14.60	0.00	0.71	2.62	6.31	18.66
HYSTERECTOMY	918	.	0.01	0.07	0.54	1.72	.	0.07	0.32	1.47	3.91	.	0.13	0.78	2.07	5.58

Table A-13

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2645	0.00	0.06	0.30	0.94	5.10	0.00	0.07	0.35	1.13	6.26	0.00	0.08	0.40	1.32	7.29
OVERALL(>= 750 CASES)	2684	0.00	0.01	0.05	0.17	0.75	0.00	0.01	0.06	0.20	0.95	0.00	0.02	0.07	0.22	1.01
CONDITIONS																
AMI	1405	0.00	0.16	0.72	2.24	11.61	0.00	0.21	0.93	3.11	19.40	0.00	0.23	1.03	3.49	15.88
CHF	2335	0.00	0.20	0.88	2.71	13.41	0.00	0.22	1.12	3.39	16.96	0.00	0.31	1.35	4.25	20.01
PNEUMONIA/INFLUENZA	2428	0.00	0.17	0.78	2.37	11.59	0.00	0.19	0.88	2.73	15.36	0.00	0.28	1.16	3.62	17.58
COPD	435	0.01	0.22	1.26	3.55	23.17	0.01	0.23	1.40	4.72	28.12	0.00	0.31	1.82	5.59	32.29
TRANS. CEREBRAL ISCHEMIA	402	0.00	0.14	0.74	2.10	5.84	0.00	0.24	1.31	4.10	14.30	0.00	0.25	1.36	5.20	19.11
STROKE	1789	0.00	0.21	0.98	3.04	16.96	0.00	0.18	0.81	2.91	14.71	0.00	0.28	1.20	3.95	17.10
HIP FRACTURE	1199	0.00	0.18	0.76	2.31	10.14	0.00	0.17	0.67	2.22	12.05	0.00	0.20	0.89	2.73	17.98
SEPSIS	254	0.00	0.33	1.94	6.09	25.59	0.01	0.48	2.38	7.00	32.51	0.01	0.56	2.81	7.58	40.24
PROCEDURES																
ANGIOPLASTY	413	.	0.02	0.13	0.50	5.74	.	0.03	0.16	0.82	6.83	.	0.10	0.44	1.30	5.54
CABG	553	0.00	0.05	0.28	1.00	5.55	0.00	0.04	0.24	0.71	5.40	0.00	0.07	0.33	0.88	4.98
PACEMAKER	112	0.00	0.11	0.63	1.63	12.29	0.00	0.17	0.91	3.16	15.04	0.00	0.26	0.99	5.08	30.66
CAROTID ENDARTERECTOMY	70	.	0.06	0.49	1.36	3.80	.	0.08	0.62	2.43	9.07	.	0.21	0.59	2.33	8.82
HIP REPLACEMENT	761	0.00	0.09	0.46	1.57	8.99	0.00	0.09	0.41	1.31	12.50	0.00	0.13	0.62	1.92	11.96
REDUCT. OF HIP FRACTURE	276	0.00	0.22	0.99	2.68	21.64	0.00	0.24	0.89	2.69	24.51	0.00	0.22	1.01	3.24	31.86
PROSTATECTOMY	1546	0.00	0.12	0.37	0.88	3.44	0.00	0.11	0.51	1.64	6.22	0.00	0.12	0.66	2.13	8.10
CHOLECYSTECTOMY	705	0.00	0.13	0.59	1.71	7.90	0.00	0.10	0.51	1.80	11.52	0.00	0.14	0.70	2.21	10.03
HYSTERECTOMY	99	.	0.09	0.29	0.65	1.70	.	0.17	0.73	1.93	4.83	.	0.03	0.58	1.83	5.10

Table A-13

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2746	0.00	0.06	0.27	0.82	5.09	0.00	0.08	0.34	1.13	7.67	0.00	0.10	0.44	1.41	8.91
OVERALL(>= 750 CASES)	2669	0.00	0.01	0.05	0.17	0.78	0.00	0.01	0.07	0.22	1.18	0.00	0.02	0.09	0.27	1.45
CONDITIONS																
AMI	1412	0.00	0.15	0.76	2.23	11.15	0.00	0.25	1.23	3.30	20.24	0.00	0.31	1.38	4.44	20.08
CHF	2293	0.00	0.17	0.88	2.68	13.99	0.00	0.29	1.26	3.74	16.07	0.00	0.32	1.44	4.96	24.74
PNEUMONIA/INFLUENZA	2179	0.00	0.18	0.83	2.58	11.68	0.00	0.19	0.95	2.99	14.15	0.00	0.31	1.52	4.37	19.56
COPD	324	0.00	0.23	0.92	2.86	14.01	0.01	0.31	1.44	4.25	24.60	0.01	0.52	1.94	5.17	25.96
TRANS. CEREBRAL ISCHEMIA	419	0.00	0.14	0.79	2.23	6.39	0.00	0.28	1.17	3.70	16.47	0.01	0.27	1.39	4.76	20.00
STROKE	1728	0.00	0.21	0.98	3.34	15.69	0.00	0.22	1.00	3.08	15.86	0.00	0.30	1.39	4.28	19.90
HIP FRACTURE	1126	0.00	0.13	0.74	2.24	12.26	0.00	0.14	0.71	2.26	12.68	0.00	0.27	1.05	2.96	13.24
SEPSIS	174	0.00	0.40	2.33	7.74	33.69	0.00	0.57	2.23	7.55	55.43	0.01	1.07	4.05	11.02	61.18
PROCEDURES																
ANGIOPLASTY	362	0.00	0.02	0.11	0.61	8.16	0.00	0.05	0.24	0.83	8.37	0.00	0.11	0.44	1.33	10.94
CABG	501	0.00	0.12	0.50	1.60	10.21	0.00	0.08	0.33	1.05	7.76	0.00	0.08	0.36	1.09	5.93
PACEMAKER	91	0.00	0.23	0.79	2.90	13.00	0.00	0.22	1.02	3.40	29.01	0.00	0.44	1.81	5.87	36.90
CAROTID ENDARTERECTOMY	52	.	0.03	0.25	1.40	3.24	.	0.07	0.28	1.15	5.85	.	0.12	0.79	1.98	7.52
HIP REPLACEMENT	680	0.00	0.09	0.43	1.42	7.04	0.00	0.09	0.50	1.65	10.65	0.00	0.16	0.69	2.26	13.60
REDUCT. OF HIP FRACTURE	246	0.00	0.15	0.67	2.89	12.70	0.00	0.17	0.73	2.55	14.38	0.00	0.24	1.12	2.97	11.88
PROSTATECTOMY	1557	0.00	0.13	0.48	1.12	4.05	0.00	0.15	0.69	1.94	7.89	0.00	0.16	0.81	2.46	10.02
CHOLECYSTECTOMY	676	0.00	0.09	0.57	1.94	8.67	0.00	0.12	0.61	1.95	13.18	0.00	0.18	0.78	2.30	12.19
HYSTERECTOMY	92	.	0.16	0.35	0.74	1.67	.	0.10	0.76	1.80	5.58	.	0.11	1.21	3.11	7.64

Table A-13

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2838	0.00	0.06	0.28	0.89	5.49	0.00	0.07	0.35	1.14	7.86	0.00	0.09	0.43	1.44	8.41
OVERALL(>= 750 CASES)	2693	0.00	0.01	0.05	0.17	0.87	0.00	0.02	0.07	0.22	1.05	0.00	0.02	0.09	0.27	1.35
CONDITIONS																
AMI	1414	0.00	0.19	0.84	2.50	13.25	0.00	0.23	1.09	3.62	23.49	0.00	0.32	1.55	4.99	23.99
CHF	2246	0.00	0.22	1.10	3.25	15.07	0.00	0.24	1.18	3.64	17.47	0.00	0.34	1.57	4.64	21.65
PNEUMONIA/INFLUENZA	2069	0.00	0.20	0.92	2.98	13.19	0.00	0.19	0.91	2.97	14.54	0.00	0.30	1.41	4.27	19.92
COPD	310	0.00	0.22	1.18	4.06	18.03	0.01	0.41	1.53	4.40	19.24	0.00	0.42	1.80	5.48	27.82
TRANS. CEREBRAL ISCHEMIA	493	0.00	0.15	0.79	2.12	7.11	0.00	0.17	1.05	4.04	16.04	0.00	0.33	1.38	4.72	21.52
STROKE	1726	0.00	0.25	1.13	3.33	15.16	0.00	0.23	0.94	2.79	16.14	0.00	0.29	1.45	4.15	18.77
HIP FRACTURE	1119	0.00	0.20	0.77	2.46	11.39	0.00	0.20	0.84	2.70	13.16	0.00	0.22	1.12	3.10	15.77
SEPSIS	133	0.00	0.66	2.60	10.66	32.60	0.02	0.71	2.57	11.60	36.75	0.00	0.63	2.88	9.43	40.73
PROCEDURES																
ANGIOPLASTY	292	0.00	0.02	0.14	0.61	9.37	0.00	0.06	0.29	0.98	11.43	0.00	0.16	0.82	1.93	11.62
CABG	478	0.00	0.06	0.31	1.07	7.21	0.00	0.03	0.20	0.79	5.85	0.00	0.06	0.33	0.91	4.32
PACEMAKER	83	0.00	0.19	1.48	4.38	28.01	0.00	0.12	0.45	3.79	30.55	0.00	0.30	1.47	5.98	31.41
CAROTID ENDARTERECTOMY	65	.	0.06	0.38	1.25	3.45	.	0.05	0.36	1.66	9.43	.	0.39	0.85	2.92	10.71
HIP REPLACEMENT	667	0.00	0.10	0.51	1.82	8.88	0.00	0.14	0.56	1.83	12.49	0.00	0.16	0.71	2.24	12.82
REDUCT. OF HIP FRACTURE	259	0.00	0.26	0.95	2.91	16.71	0.00	0.20	0.98	3.71	18.78	0.00	0.35	1.42	3.85	20.93
PROSTATECTOMY	1604	0.00	0.11	0.46	1.12	4.77	0.00	0.13	0.64	2.08	8.13	0.00	0.16	0.68	2.15	9.70
CHOLECYSTECTOMY	641	0.00	0.18	0.70	2.13	11.71	0.00	0.14	0.68	2.32	12.53	0.00	0.17	0.71	2.48	16.74
HYSTERECTOMY	79	.	0.15	0.41	0.78	2.13	.	0.05	0.69	2.01	3.96	.	0.01	0.53	1.99	6.02

Table A-13

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY8890

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(<2250 CASES)	3015	0.00	0.03	0.12	0.39	2.76	0.00	0.04	0.16	0.53	3.82	0.00	0.04	0.18	0.64	4.79
OVERALL(>=2250 CASES)	2686	0.00	0.01	0.02	0.07	0.33	0.00	0.01	0.04	0.11	0.50	0.00	0.01	0.04	0.12	0.61
CONDITIONS																
AMI	3209	0.00	0.11	0.51	1.68	10.51	0.00	0.19	0.83	3.02	19.99	0.00	0.23	1.09	3.40	19.01
CHF	4109	0.00	0.10	0.50	1.73	10.19	0.00	0.14	0.65	2.07	12.61	0.00	0.17	0.85	2.80	16.24
PNEUMONIA/INFLUENZA	4483	0.00	0.09	0.43	1.40	7.36	0.00	0.10	0.48	1.59	9.91	0.00	0.18	0.81	2.58	13.48
COPD	2130	0.00	0.19	0.75	2.26	12.36	0.00	0.18	0.90	2.77	14.53	0.00	0.28	1.25	3.88	19.53
TRANS. CEREBRAL ISCHEMIA	2106	0.00	0.09	0.42	1.34	5.20	0.00	0.15	0.65	2.25	11.42	0.00	0.19	0.92	2.93	15.81
STROKE	3521	0.00	0.14	0.63	2.00	11.14	0.00	0.11	0.52	1.78	11.88	0.00	0.16	0.78	2.55	14.83
HIP FRACTURE	2843	0.00	0.10	0.45	1.42	8.66	0.00	0.11	0.46	1.52	8.35	0.00	0.12	0.54	1.71	8.65
SEPSIS	1574	0.00	0.38	1.71	5.53	25.40	0.00	0.47	1.97	6.08	34.49	0.01	0.58	2.63	8.18	32.72
PROCEDURES																
ANGIOPLASTY	653	0.00	0.01	0.06	0.23	3.81	0.00	0.03	0.13	0.41	4.24	0.00	0.05	0.22	0.69	4.79
CABG	739	0.00	0.04	0.21	0.75	4.92	0.00	0.03	0.16	0.53	3.76	0.00	0.04	0.18	0.60	3.71
PACEMAKER	976	0.00	0.11	0.62	1.94	13.05	0.00	0.16	0.85	2.52	19.16	0.00	0.20	0.89	3.12	18.12
CAROTID ENDARTERECTOMY	563	0.00	0.03	0.23	0.98	3.19	0.00	0.08	0.38	1.26	8.28	0.00	0.12	0.53	1.77	10.70
HIP REPLACEMENT	2065	0.00	0.06	0.31	1.09	7.37	0.00	0.06	0.34	1.21	8.32	0.00	0.09	0.42	1.41	9.01
REDUCT. OF HIP FRACTURE	1784	0.00	0.12	0.59	2.00	11.66	0.00	0.13	0.62	2.02	12.70	0.00	0.15	0.76	2.43	12.61
PROSTATECTOMY	2914	0.00	0.05	0.24	0.67	3.21	0.00	0.07	0.33	1.13	6.46	0.00	0.08	0.39	1.30	8.35
CHOLECYSTECTOMY	2446	0.00	0.07	0.37	1.17	6.32	0.00	0.08	0.34	1.22	9.51	0.00	0.10	0.42	1.42	9.14
HYSTERECTOMY	918	.	0.04	0.28	0.78	2.20	.	0.03	0.26	1.19	4.85	.	0.07	0.52	1.75	5.73

Table A-14

OBSERVED (OBS) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2647	2.75	8.12	9.94	12.05	17.34	5.20	12.39	14.72	17.25	23.73	7.86	15.51	18.16	20.97	27.67
OVERALL(>= 750 CASES)	2684	5.95	7.93	8.92	10.01	13.36	9.70	12.48	13.80	15.23	19.76	12.51	15.63	17.14	18.85	23.91
CONDITIONS																
AMI	1405	13.10	20.00	23.88	28.22	36.51	16.67	23.72	28.13	32.76	42.01	18.64	26.44	30.95	35.45	44.76
CHF	2335	5.91	11.38	14.01	16.84	23.31	13.21	19.44	22.73	25.93	33.70	18.69	25.56	29.06	32.69	40.83
PNEUMONIA/INFLUENZA	2428	5.87	11.83	15.09	18.45	25.88	10.11	17.39	21.13	25.30	34.45	13.43	21.20	25.37	29.58	39.67
COPD	435	0.00	5.08	7.81	11.11	16.44	4.61	10.61	14.46	18.03	25.38	7.78	14.81	19.30	23.81	31.90
TRANS. CEREBRAL ISCHEMIA	404	0.00	0.00	1.56	2.29	5.63	0.00	1.85	3.59	5.26	9.44	1.20	3.64	5.80	7.94	12.67
STROKE	1789	10.34	15.61	18.87	22.54	31.04	15.51	21.84	25.86	29.61	38.19	18.87	25.93	29.69	33.79	43.04
HIP FRACTURE	1199	1.39	4.35	6.00	8.26	13.43	4.48	8.60	10.98	13.79	20.56	6.90	11.54	14.55	17.54	24.53
SEPSIS	254	13.59	20.97	25.00	30.07	41.99	20.71	29.13	34.72	40.08	53.62	25.41	35.01	40.30	46.27	59.42
PROCEDURES																
ANGIOPLASTY	425	0.00	1.40	2.60	4.12	8.80	0.00	2.23	3.66	5.56	10.76	0.00	2.88	4.81	6.66	11.80
CABG	556	0.97	3.90	5.76	7.85	12.50	1.89	5.88	8.02	10.58	16.96	2.34	6.67	8.97	12.00	18.75
PACEMAKER	112	0.00	1.25	1.96	3.77	8.24	0.98	3.45	5.17	7.84	14.21	1.76	5.14	7.27	10.38	19.97
CAROTID ENDARTERECTOMY	73	0.00	0.00	1.37	1.80	4.62	0.00	0.37	1.94	3.67	7.40	0.00	1.77	3.57	5.41	11.13
HIP REPLACEMENT	763	0.00	1.45	2.67	4.26	8.08	0.81	3.38	5.30	7.27	12.78	1.44	4.84	6.94	9.30	15.38
REDUCT. OF HIP FRACTURE	276	0.00	3.46	5.34	7.39	12.53	3.18	7.63	10.34	13.04	19.32	5.26	11.30	14.19	16.33	22.39
PROSTATECTOMY	1576	0.00	0.00	0.70	1.47	3.65	0.00	1.04	1.89	3.19	6.53	0.00	1.95	3.43	5.00	9.09
CHOLECYSTECTOMY	714	0.00	1.41	2.46	3.90	7.45	0.00	2.94	4.76	6.76	11.33	1.33	4.00	6.25	8.61	13.57
HYSTERECTOMY	113	0.00	0.00	0.00	1.67	3.74	0.00	0.00	1.33	2.65	6.75	0.00	0.68	1.82	3.39	8.10

Table A-14

OBSERVED (OBS) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS 2.5%	30 DAYS 25%	30 DAYS 50%	30 DAYS 75%	30 DAYS 97.5%	90 DAYS 2.5%	90 DAYS 25%	90 DAYS 50%	90 DAYS 75%	90 DAYS 97.5%	180 DAYS 2.5%	180 DAYS 25%	180 DAYS 50%	180 DAYS 75%	180 DAYS 97.5%
OVERALL(< 750 CASES)	2747	3.17	8.00	9.95	12.00	17.62	5.38	12.38	14.72	17.23	23.55	7.47	15.53	18.10	20.99	28.21
OVERALL(>= 750 CASES)	2669	5.74	7.94	9.00	10.12	13.35	9.53	12.46	13.89	15.34	19.79	12.34	15.77	17.41	19.07	24.21
CONDITIONS																
AMI	1412	13.75	21.35	25.50	30.00	37.90	16.89	25.21	29.87	34.09	43.68	19.39	27.61	32.51	37.18	46.27
CHF	2293	6.67	11.90	14.56	17.46	24.91	13.18	20.00	23.64	27.14	34.47	19.19	26.67	30.15	33.89	41.84
PNEUMONIA/INFLUENZA	2179	6.67	12.50	15.83	19.46	27.61	11.11	18.42	22.73	26.92	35.87	14.29	22.39	26.98	31.37	41.57
COPD	324	1.56	5.66	7.88	10.95	17.24	5.79	11.30	14.75	18.08	25.75	8.76	15.56	19.61	23.71	31.13
TRANS. CEREBRAL ISCHEMIA	420	0.00	0.00	1.46	2.65	5.59	0.00	1.75	3.57	5.56	9.63	1.16	3.70	5.88	8.33	13.46
STROKE	1728	10.17	15.97	19.30	22.83	31.50	16.39	22.68	26.22	30.19	39.23	19.73	26.76	30.36	34.52	44.15
HIP FRACTURE	1126	1.52	4.20	6.00	8.20	13.10	4.11	8.51	11.11	13.79	20.00	6.56	11.67	14.65	17.75	24.94
SEPSIS	174	13.03	21.01	25.95	32.38	45.28	20.00	30.65	36.97	42.98	56.09	25.00	36.56	42.65	50.81	62.19
PROCEDURES																
ANGIOPLASTY	370	0.00	1.41	2.76	4.49	9.79	0.00	2.16	3.64	5.63	12.76	0.00	3.04	4.73	6.80	14.18
CABG	501	1.29	3.77	5.73	8.33	15.43	1.92	5.57	8.14	11.05	18.46	3.01	6.90	9.23	12.16	20.45
PACEMAKER	91	0.00	1.56	2.06	3.70	7.35	0.00	3.57	5.26	7.14	13.46	1.70	5.66	7.69	10.91	17.82
CAROTID ENDARTERECTOMY	55	0.00	0.00	1.19	2.20	6.12	0.00	1.19	2.50	3.70	8.81	0.00	1.52	3.70	5.41	10.48
HIP REPLACEMENT	686	0.00	1.39	2.53	3.95	7.68	0.00	3.00	5.06	7.20	12.46	1.12	4.20	6.76	9.39	15.14
REDUCT. OF HIP FRACTURE	246	1.22	3.45	5.49	7.41	12.02	3.45	7.69	10.53	13.21	19.22	5.40	10.69	14.04	16.67	22.73
PROSTATECTOMY	1570	0.00	0.00	0.71	1.49	3.70	0.00	1.10	1.92	3.28	6.88	0.00	2.11	3.63	5.21	9.76
CHOLECYSTECTOMY	680	0.00	1.46	2.67	4.02	7.78	0.00	3.13	5.00	7.14	11.49	1.35	4.21	6.43	8.77	14.03
HYSTERECTOMY	101	0.00	0.00	0.00	1.67	4.41	0.00	0.00	1.54	2.81	5.92	0.00	0.00	1.96	3.77	8.22

OBSERVED (OBS) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2840	2.89	8.24	10.23	12.43	18.00	5.43	12.56	14.98	17.68	24.64	7.23	15.77	18.38	21.38	29.03
OVERALL(>= 750 CASES)	2693	5.90	8.06	9.10	10.31	13.65	9.85	12.63	14.05	15.51	19.81	12.63	15.92	17.52	19.22	24.26
CONDITIONS																
AMI	1414	15.17	22.36	26.59	30.99	39.69	19.43	26.58	31.25	35.37	44.14	21.97	29.26	33.96	38.54	47.37
CHF	2246	6.90	12.61	15.57	18.69	25.47	14.29	21.22	24.90	28.30	35.57	20.05	27.60	31.46	35.09	42.71
PNEUMONIA/INFLUENZA	2069	6.85	13.19	16.52	20.25	29.41	11.82	19.28	23.40	27.66	37.25	15.15	23.19	27.69	32.20	42.53
COPD	310	1.72	5.76	8.28	11.32	17.49	5.13	11.49	15.09	18.87	25.52	8.89	15.93	20.00	23.86	32.84
TRANS. CEREBRAL ISCHEMIA	495	0.00	0.00	1.63	2.90	5.72	0.00	1.85	3.80	5.71	9.93	1.35	3.92	6.06	8.62	13.77
STROKE	1726	10.26	16.67	20.23	23.81	32.67	16.20	23.66	27.49	31.71	41.25	19.58	27.66	31.82	35.95	45.82
HIP FRACTURE	1119	1.54	4.17	6.25	8.13	13.21	4.41	9.09	11.54	14.29	20.37	7.27	12.28	15.25	18.03	25.00
SEPSIS	133	13.95	21.70	26.92	31.20	44.20	21.25	30.77	37.04	42.45	60.15	24.44	36.27	42.31	49.78	68.24
PROCEDURES																
ANGIOPLASTY	297	0.00	1.75	3.23	5.00	10.34	0.00	2.42	4.11	6.65	11.66	0.00	3.20	5.21	7.84	12.80
CABG	478	1.37	4.35	6.47	8.62	15.38	2.78	6.53	8.81	11.84	18.48	3.70	7.55	9.73	13.05	20.01
PACEMAKER	83	0.00	1.61	3.23	4.84	10.45	0.16	4.41	6.25	9.09	15.78	1.92	6.58	9.62	11.86	21.23
CAROTID ENDARTERECTOMY	69	0.00	0.00	1.00	1.92	5.16	0.00	0.93	1.87	3.51	8.08	0.00	1.85	3.23	5.26	8.08
HIP REPLACEMENT	670	0.00	1.37	2.61	3.94	7.55	0.00	3.16	5.18	7.41	12.33	1.42	4.62	6.94	9.74	15.41
REDUCT. OF HIP FRACTURE	259	0.00	3.51	5.45	7.69	12.96	3.77	8.54	10.67	13.43	20.74	5.77	11.63	14.46	17.61	25.28
PROSTATECTOMY	1619	0.00	0.00	0.85	1.60	3.70	0.00	1.28	2.22	3.56	7.24	0.00	2.53	3.77	5.49	9.76
CHOLECYSTECTOMY	642	0.00	1.49	2.82	4.29	8.64	0.00	3.28	5.26	7.38	13.10	1.59	4.44	6.67	9.26	15.38
HYSTERECTOMY	90	0.00	0.00	0.00	1.64	4.02	0.00	0.00	1.44	2.72	5.26	0.00	1.19	1.75	3.57	7.02

Table A-15

PREDICTED (PRED) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1990

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2647	4.35	8.45	9.55	10.69	13.48	7.41	12.91	14.37	15.88	19.67	9.83	16.20	17.92	19.63	23.97
OVERALL(>= 750 CASES)	2684	6.45	8.22	8.98	9.75	11.72	10.26	12.64	13.68	14.74	17.27	13.17	15.90	17.09	18.35	21.22
CONDITIONS																
AMI	1405	19.46	23.29	25.26	27.41	31.71	22.53	26.32	28.35	30.51	34.76	25.20	29.00	31.08	33.28	37.71
CHF	2335	11.98	13.60	14.36	15.12	16.85	19.36	21.64	22.76	23.88	26.28	24.98	27.64	28.95	30.17	32.92
PNEUMONIA/INFLUENZA	2428	11.58	14.15	15.43	16.80	19.85	16.25	19.61	21.26	23.02	26.92	19.47	23.23	25.07	27.03	31.28
COPD	435	5.00	6.98	8.17	9.38	12.10	9.27	12.41	14.36	15.94	19.76	13.03	16.62	18.85	20.75	25.03
TRANS. CEREBRAL ISCHEMIA	404	1.26	1.57	1.79	2.01	2.50	2.96	3.51	3.99	4.43	5.36	4.81	5.70	6.41	7.08	8.41
STROKE	1789	15.55	18.40	19.82	21.28	24.15	21.58	24.74	26.28	27.80	30.95	25.13	28.45	30.03	31.62	34.93
HIP FRACTURE	1199	4.87	5.98	6.52	7.05	8.28	8.73	10.68	11.51	12.40	14.36	11.65	14.01	14.96	16.08	18.45
SEPSIS	254	19.97	24.24	26.43	29.06	34.80	27.57	32.28	34.51	37.75	43.05	32.34	37.09	39.41	42.74	48.57
PROCEDURES																
ANGIOPLASTY	425	1.65	2.41	2.95	3.64	4.92	2.42	3.26	3.96	4.64	5.93	3.17	4.14	4.90	5.66	7.03
CABG	556	4.06	5.10	5.61	6.23	7.46	5.72	7.23	8.02	8.89	10.63	6.53	8.20	9.07	10.04	12.10
PACEMAKER	112	1.80	2.53	3.08	3.45	4.36	3.80	5.14	5.93	6.66	8.11	5.65	7.60	8.53	9.63	11.60
CAROTID ENDARTERECTOMY	73	0.99	1.33	1.47	1.63	2.12	1.90	2.48	2.75	3.03	3.88	2.91	3.67	4.09	4.44	5.57
HIP REPLACEMENT	763	1.07	2.33	2.93	3.53	4.85	2.03	4.36	5.43	6.54	8.84	2.87	5.97	7.30	8.79	11.91
REDUCT. OF HIP FRACTURE	276	4.74	5.52	6.06	6.51	7.67	8.79	10.11	11.02	11.82	13.94	11.68	13.49	14.55	15.61	18.13
PROSTATECTOMY	1576	0.54	0.77	0.93	1.13	1.57	1.28	1.80	2.17	2.61	3.58	2.26	3.11	3.70	4.40	5.92
CHOLECYSTECTOMY	714	1.57	2.20	2.60	3.09	4.31	2.91	4.05	4.77	5.69	8.06	3.88	5.46	6.39	7.59	10.72
HYSTERECTOMY	113	0.20	0.50	0.66	0.85	1.63	0.46	1.15	1.54	1.90	3.71	0.78	1.86	2.44	3.02	5.81

Table A-15

PREDICTED (PRED) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2747	4.78	8.43	9.57	10.69	13.60	7.85	12.88	14.36	15.89	19.74	10.21	16.24	17.90	19.66	24.09
OVERALL(>= 750 CASES)	2669	6.52	8.29	9.06	9.83	11.85	10.38	12.74	13.79	14.80	17.49	13.38	16.07	17.25	18.42	21.51
CONDITIONS																
AMI	1412	20.66	24.60	26.46	28.35	32.42	23.80	27.69	29.53	31.47	35.68	26.28	30.31	32.25	34.15	38.35
CHF	2293	12.50	14.09	14.92	15.69	17.36	20.11	22.37	23.54	24.74	27.10	25.98	28.46	29.78	31.14	33.74
PNEUMONIA/INFLUENZA	2179	12.18	14.90	16.19	17.62	20.87	17.05	20.66	22.39	24.20	28.48	20.57	24.58	26.46	28.46	33.16
COPD	324	4.90	7.03	8.10	9.38	12.02	9.17	12.32	14.11	15.88	19.69	13.12	16.74	18.86	20.88	25.22
TRANS. CEREBRAL ISCHEMIA	420	1.33	1.59	1.78	1.98	2.51	3.01	3.59	3.97	4.34	5.33	4.97	5.90	6.47	7.05	8.43
STROKE	1728	15.88	18.94	20.29	21.72	24.88	21.99	25.38	26.87	28.60	31.92	25.65	29.12	30.71	32.47	35.89
HIP FRACTURE	1126	4.76	5.81	6.38	6.99	8.14	8.85	10.54	11.45	12.41	14.31	11.84	13.90	15.01	16.14	18.30
SEPSIS	174	20.77	24.35	27.56	30.54	36.96	28.55	32.63	36.62	39.33	46.71	32.90	37.19	41.58	44.44	52.29
PROCEDURES																
ANGIOPLASTY	370	1.86	2.68	3.32	4.06	5.61	2.53	3.51	4.21	5.00	6.54	3.29	4.33	5.09	5.91	7.57
CABG	501	4.09	5.16	5.73	6.47	7.61	5.92	7.35	8.18	9.12	10.83	6.87	8.35	9.26	10.24	12.22
PACEMAKER	91	2.06	2.82	3.33	3.77	5.16	4.25	5.51	6.29	7.18	8.94	6.36	8.07	8.98	10.19	12.19
CAROTID ENDARTERECTOMY	55	1.08	1.32	1.47	1.66	2.38	2.02	2.43	2.66	3.03	4.31	2.95	3.53	3.88	4.30	6.07
HIP REPLACEMENT	686	1.12	2.22	2.78	3.40	4.77	2.18	4.19	5.28	6.47	8.81	3.06	5.78	7.26	8.78	11.71
REDUCT. OF HIP FRACTURE	246	4.53	5.45	6.02	6.59	7.84	8.71	10.00	11.06	11.98	13.98	11.83	13.40	14.68	15.73	18.28
PROSTATECTOMY	1570	0.57	0.83	0.99	1.20	1.66	1.34	1.92	2.30	2.77	3.87	2.34	3.32	3.92	4.67	6.33
CHOLECYSTECTOMY	680	1.63	2.34	2.76	3.19	4.32	3.06	4.27	5.03	5.87	7.94	4.12	5.68	6.72	7.82	10.56
HYSTERECTOMY	101	0.25	0.58	0.77	1.06	2.04	0.54	1.26	1.65	2.39	4.06	0.91	1.98	2.59	3.62	5.83

Table A-15

PREDICTED (PRED) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1990 STUDY, FY1988

	NUMBER	30 DAYS					90 DAYS					180 DAYS				
CONDITIONS/PROCEDURES	OF HOSPITALS	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2840	4.85	8.53	9.74	10.94	13.99	7.95	13.03	14.57	16.18	20.34	10.58	16.34	18.10	19.90	24.65
OVERALL(>= 750 CASES)	2693	6.61	8.39	9.17	9.98	11.97	10.47	12.90	13.93	15.00	17.55	13.41	16.20	17.38	18.61	21.52
CONDITIONS																
AMI	1414	21.97	25.71	27.71	29.68	33.97	25.17	28.88	30.83	32.80	37.21	27.71	31.61	33.55	35.52	39.98
CHF	2246	13.47	15.05	15.85	16.69	18.39	21.31	23.58	24.73	25.87	28.29	27.04	29.63	30.93	32.19	34.96
PNEUMONIA/INFLUENZA	2069	12.73	15.51	16.96	18.51	21.78	17.74	21.25	23.13	25.13	29.36	21.17	25.09	27.07	29.32	34.07
COPD	310	4.69	7.41	8.96	10.26	12.55	8.98	13.21	15.42	17.36	20.61	12.74	17.79	20.37	22.66	26.14
TRANS. CEREBRAL ISCHEMIA	495	1.27	1.67	1.90	2.10	2.60	2.97	3.72	4.17	4.61	5.57	4.81	6.01	6.68	7.37	8.76
STROKE	1726	16.52	19.70	21.29	22.76	25.79	22.69	26.39	28.02	29.73	32.98	26.44	30.22	31.86	33.62	37.11
HIP FRACTURE	1119	4.83	5.91	6.48	7.06	8.42	9.02	10.81	11.74	12.72	14.94	12.14	14.24	15.39	16.58	19.20
SEPSIS	133	21.21	25.62	28.38	31.11	37.60	28.90	33.55	37.62	40.08	46.93	33.36	38.04	42.25	45.01	52.31
PROCEDURES																
ANGIOPLASTY	297	1.91	2.96	3.65	4.36	6.48	2.55	3.75	4.58	5.27	7.48	3.22	4.53	5.48	6.17	8.51
CABG	478	4.56	5.71	6.40	7.12	8.46	6.28	7.95	8.83	9.87	11.75	7.13	8.92	9.88	11.08	13.23
PACEMAKER	83	2.71	3.87	5.00	5.84	7.75	5.25	6.91	8.25	9.46	12.29	7.55	9.83	11.18	12.43	15.20
CAROTID ENDARTERECTOMY	69	1.15	1.46	1.60	1.86	2.30	2.13	2.77	2.97	3.43	4.18	3.11	3.91	4.25	4.83	5.96
HIP REPLACEMENT	670	0.99	2.18	2.82	3.47	4.95	2.00	4.24	5.39	6.60	9.11	2.93	5.86	7.37	8.91	12.17
REDUCT. OF HIP FRACTURE	259	4.23	5.41	6.09	6.59	7.62	8.13	10.19	11.32	12.15	14.22	11.14	13.58	15.00	16.14	18.85
PROSTATECTOMY	1619	0.61	0.87	1.04	1.25	1.70	1.47	2.03	2.44	2.88	3.95	2.56	3.48	4.13	4.80	6.53
CHOLECYSTECTOMY	642	1.64	2.42	2.90	3.38	4.99	3.09	4.44	5.32	6.20	8.74	4.07	5.94	7.06	8.25	11.49
HYSTERECTOMY	90	0.36	0.61	0.85	1.11	1.71	0.83	1.38	1.80	2.31	3.69	1.39	2.27	2.78	3.61	5.64

Table A-16

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS 2.5%	25%	50%	75%	97.5%	90 DAYS 2.5%	25%	50%	75%	97.5%	180 DAYS 2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2757	1.03	1.72	2.81	5.20	14.29	1.53	2.46	4.02	7.40	19.84	1.89	2.99	4.85	8.96	23.75
OVERALL(>= 750 CASES)	2661	0.15	0.30	0.47	0.72	1.12	0.22	0.44	0.68	1.04	1.58	0.26	0.54	0.83	1.27	1.90
CONDITIONS																
AMI	1411	8.69	17.38	24.23	30.80	38.96	9.48	18.78	25.99	33.05	41.36	10.08	19.93	27.55	34.99	43.60
CHF	2288	4.83	9.25	12.89	18.15	24.99	6.82	13.07	18.12	25.38	34.53	8.06	15.43	21.31	30.11	40.30
PNEUMONIA/INFLUENZA	2153	7.09	12.26	16.27	20.80	27.52	8.98	15.54	20.58	26.50	34.31	10.29	17.65	23.42	30.16	38.50
COPD	322	5.40	8.66	10.73	12.86	18.31	9.35	14.89	17.66	20.55	27.08	12.47	19.53	22.99	26.37	33.44
TRANS. CEREBRAL ISCHEMIA	422	1.30	2.26	2.74	3.23	3.96	2.74	4.89	5.94	6.93	8.72	4.29	7.54	9.21	10.68	13.49
STROKE	1721	7.94	13.83	18.90	24.69	31.87	9.78	16.88	23.11	29.91	38.21	10.64	18.42	25.26	32.89	41.62
HIP FRACTURE	1106	3.35	6.26	8.05	10.03	12.86	5.84	10.83	13.75	16.91	21.50	7.34	13.45	17.15	20.99	26.38
SEPSIS	186	17.37	26.46	31.95	35.92	42.89	19.90	30.86	36.79	41.00	46.81	20.54	32.40	39.15	43.88	48.52
PROCEDURES																
ANGIOPLASTY	361	0.96	2.43	3.55	4.88	8.52	1.39	3.22	4.70	6.31	10.19	1.75	4.13	5.92	7.89	11.97
CABG	506	1.50	3.26	4.89	6.75	10.22	2.13	4.52	6.81	9.44	14.41	2.52	5.26	7.95	11.10	16.79
PACEMAKER	84	2.46	3.90	4.81	5.96	8.77	4.72	7.32	8.96	11.09	15.04	6.80	10.80	12.55	15.19	19.81
CAROTID ENDARTERECTOMY	57	1.15	1.81	2.23	2.52	3.31	2.13	3.32	4.00	4.81	6.31	3.11	4.81	5.88	7.07	9.27
HIP REPLACEMENT	671	0.85	2.35	3.60	4.90	7.71	1.58	4.33	6.65	8.97	14.12	2.14	5.81	8.82	11.90	18.23
REDUCT. OF HIP FRACTURE	245	4.41	7.39	9.09	10.23	12.88	7.89	13.09	16.14	17.94	22.20	10.28	16.75	20.26	22.48	27.76
PROSTATECTOMY	1564	0.33	0.73	1.07	1.51	2.64	0.77	1.72	2.52	3.52	5.98	1.29	2.86	4.13	5.78	9.60
CHOLECYSTECTOMY	669	1.88	3.16	4.03	4.96	6.77	3.28	5.40	6.98	8.58	11.73	4.26	6.94	8.88	11.01	14.94
HYSTERECTOMY	91	0.39	0.83	1.19	1.55	2.60	0.82	1.79	2.53	3.28	5.13	1.24	2.69	3.82	4.72	7.39

Table A-16

BINOMIAL VARIANCE (V2*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1988

	NUMBER OF	30 DAYS					90 DAYS					180 DAYS				
CONDITIONS/PROCEDURES	HOSPITALS	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2830	1.05	1.75	2.87	5.21	14.39	1.54	2.51	4.08	7.30	19.54	1.91	3.04	4.89	8.78	23.13
OVERALL(>= 750 CASES)	2702	0.15	0.31	0.48	0.74	1.15	0.22	0.45	0.69	1.06	1.61	0.26	0.55	0.84	1.28	1.92
CONDITIONS																
AMI	1398	7.96	16.35	22.84	29.18	37.87	10.69	21.31	29.74	37.73	46.47	11.36	22.34	30.80	39.07	47.90
CHF	2251	5.35	9.92	13.93	19.54	26.40	7.39	13.60	19.23	26.79	35.55	8.65	15.89	22.51	31.23	41.13
PNEUMONIA/INFLUENZA	2077	7.90	13.33	17.17	21.98	28.88	9.92	16.71	21.71	27.72	35.78	11.29	18.88	24.53	31.30	39.86
COPD	309	5.60	9.06	11.32	14.51	20.33	9.95	15.30	18.45	22.66	29.30	12.99	19.56	23.47	28.44	35.52
TRANS. CEREBRAL ISCHEMIA	507	1.40	2.38	2.94	3.44	4.43	2.91	5.06	6.22	7.27	9.41	4.44	7.70	9.46	11.11	14.39
STROKE	1716	8.02	14.24	19.75	25.42	32.87	9.68	17.23	23.88	30.51	38.92	10.63	18.76	26.08	33.29	42.14
HIP FRACTURE	1112	3.45	6.26	8.30	10.33	13.69	5.93	10.77	14.27	17.52	22.62	7.42	13.39	17.69	21.73	27.31
SEPSIS	131	16.50	27.77	33.00	36.78	43.61	19.03	30.95	37.94	42.02	47.59	19.91	32.51	40.11	44.03	48.90
PROCEDURES																
ANGIOPLASTY	289	1.31	2.89	4.16	5.77	10.02	1.75	3.83	5.34	7.24	11.85	2.16	4.78	6.55	8.88	13.86
CABG	491	1.77	3.82	5.59	8.00	12.19	2.36	5.23	7.55	10.62	16.67	2.67	6.07	8.70	12.32	19.04
PACEMAKER	83	2.87	4.98	7.14	8.45	13.11	5.33	8.60	11.88	13.53	20.29	7.62	11.85	15.86	17.76	25.46
CAROTID ENDARTERECTOMY	70	1.16	1.97	2.33	2.68	3.37	2.15	3.62	4.43	5.02	6.47	3.13	5.18	6.42	7.25	9.36
HIP REPLACEMENT	660	0.89	2.47	3.69	5.24	8.25	1.72	4.69	6.88	9.64	14.82	2.37	6.21	9.10	12.65	19.04
REDUCT. OF HIP FRACTURE	258	4.44	7.49	8.86	10.16	13.09	8.37	13.47	15.61	18.17	22.68	10.66	17.12	19.67	22.74	27.99
PROSTATECTOMY	1619	0.36	0.79	1.14	1.62	3.02	0.87	1.86	2.69	3.78	6.61	1.43	3.03	4.38	6.11	10.23
CHOLECYSTECTOMY	658	1.85	3.27	4.02	5.23	7.77	3.31	5.75	7.12	9.03	13.23	4.29	7.37	9.19	11.51	16.63
HYSTERECTOMY	90	0.63	0.96	1.41	1.87	2.88	1.32	2.01	2.90	3.80	5.33	1.98	3.00	4.41	5.40	7.56

Table A-17

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2753	0.00	0.36	1.25	3.28	18.67	0.01	0.55	1.93	4.90	27.67	0.01	0.81	2.66	6.49	34.81
OVERALL(>= 750 CASES)	2661	0.00	0.06	0.19	0.45	1.53	0.00	0.09	0.29	0.66	2.20	0.00	0.11	0.39	0.87	2.80
CONDITIONS																
AMI	1411	0.03	3.12	13.15	31.06	85.20	0.04	3.49	13.69	33.36	85.79	0.04	3.37	13.99	33.87	95.67
CHF	2288	0.02	2.03	7.42	16.19	50.15	0.02	2.75	9.57	24.39	65.78	0.03	2.78	12.64	28.10	79.24
PNEUMONIA/INFLUENZA	2153	0.02	2.49	9.83	22.07	56.89	0.04	3.66	12.54	27.60	74.54	0.05	3.88	14.34	31.94	88.04
COPD	322	0.01	1.42	5.78	14.05	30.19	0.04	2.73	11.21	22.73	43.69	0.07	4.24	14.75	29.82	78.23
TRANS. CEREBRAL ISCHEMIA	403	.	0.09	0.22	1.18	5.70	.	0.50	1.56	3.81	11.48	.	1.09	4.34	8.92	20.99
STROKE	1721	0.02	2.54	10.09	21.87	63.34	0.07	3.30	11.96	29.02	84.56	0.05	3.07	13.81	33.17	91.35
HIP FRACTURE	1105	0.01	0.78	3.94	10.06	26.10	0.01	2.42	8.23	19.49	45.98	0.02	3.02	11.55	23.89	60.86
SEPSIS	186	0.18	3.66	14.29	33.02	103	0.11	4.97	16.13	36.88	95.03	0.01	4.49	18.56	40.01	104.7
PROCEDURES																
ANGIOPLASTY	350	.	0.16	1.23	3.25	10.65	.	0.42	1.58	4.09	13.97	.	0.57	2.36	5.54	17.68
CABG	506	0.01	0.74	2.49	6.05	17.84	0.01	0.94	4.00	9.33	25.89	0.01	1.40	4.69	10.38	34.00
PACEMAKER	83	0.00	0.18	0.79	3.09	10.26	0.00	0.69	3.84	8.20	16.74	0.00	1.14	6.31	12.95	31.91
CAROTID ENDARTERECTOMY	50	.	0.01	0.15	1.18	3.47	.	0.10	0.49	2.61	7.72	.	0.25	1.88	5.46	11.03
HIP REPLACEMENT	650	.	0.16	0.91	2.59	8.32	.	0.43	1.97	6.13	16.55	.	0.77	3.49	9.02	25.69
REDUCT. OF HIP FRACTURE	245	0.01	1.11	4.73	9.60	23.13	0.15	3.46	10.51	19.85	54.49	0.08	2.82	12.82	28.56	67.22
PROSTATECTOMY	1451	.	0.02	0.11	0.38	1.41	.	0.12	0.60	1.56	4.17	.	0.28	1.62	3.70	9.19
CHOLECYSTECTOMY	646	.	0.22	1.35	3.10	8.15	.	0.70	2.92	6.85	15.69	.	1.05	4.44	9.23	22.30
HYSTERECTOMY	68	.	.	0.01	0.12	0.53	.	.	0.06	0.42	1.70	.	.	0.15	0.98	2.69

Table A-17

LOCALE OFFSET VARIANCE (V3*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2825	0.00	0.42	1.38	3.27	13.40	0.01	0.57	1.96	4.69	19.01	0.01	0.78	2.53	6.14	26.51
OVERALL(>= 750 CASES)	2702	0.00	0.06	0.19	0.45	1.40	0.00	0.08	0.29	0.64	2.12	0.00	0.11	0.40	0.88	2.85
CONDITIONS																
AMI	1398	0.06	4.44	16.69	35.90	110.9	0.07	5.27	19.98	47.40	135.9	0.10	5.09	19.41	46.13	137.2
CHF	2251	0.02	2.13	7.78	18.07	51.26	0.02	2.77	10.42	24.81	70.86	0.03	3.25	11.91	31.55	92.19
PNEUMONIA/INFLUENZA	2077	0.02	3.04	10.60	22.79	60.19	0.03	3.57	13.13	29.19	77.62	0.02	3.56	13.69	31.98	92.24
COPD	308	0.01	0.90	5.19	13.14	34.51	0.03	2.90	9.71	20.68	50.72	0.03	3.56	13.59	30.11	78.52
TRANS. CEREBRAL ISCHEMIA	396	.	.	0.12	0.51	1.37	.	.	0.36	1.88	4.59	.	.	1.13	4.70	10.17
STROKE	1716	0.03	2.93	10.86	23.94	66.28	0.04	3.71	14.02	29.94	80.87	0.03	4.35	15.09	33.59	96.96
HIP FRACTURE	1112	0.01	0.82	3.71	8.76	23.51	0.03	2.37	7.94	17.50	43.60	0.05	3.00	10.81	23.77	67.85
SEPSIS	131	0.03	4.58	17.46	36.21	90.02	0.05	4.43	21.02	42.20	96.15	0.04	6.05	16.70	42.92	119
PROCEDURES																
ANGIOPLASTY	277	.	0.19	1.65	3.69	10.00	.	0.28	1.71	4.33	12.73	.	0.48	1.80	5.53	17.18
CABG	489	0.01	1.06	3.16	7.04	19.77	0.01	1.51	5.03	10.04	26.43	0.02	1.73	6.08	12.78	35.01
PACEMAKER	82	0.00	0.37	2.43	5.53	16.72	0.00	1.03	3.76	10.10	26.56	0.00	0.93	7.40	16.04	35.90
CAROTID ENDARTERECTOMY	62	.	0.01	0.15	0.96	2.21	.	0.04	0.49	1.69	5.45	.	0.19	1.13	2.68	7.29
HIP REPLACEMENT	647	0.00	0.22	1.11	2.94	9.48	0.00	0.53	2.78	7.27	18.70	0.00	1.00	4.88	10.71	27.84
REDUCT. OF HIP FRACTURE	258	0.01	0.83	4.41	9.74	20.52	0.04	2.85	9.54	20.73	48.72	0.03	4.00	15.25	27.64	83.13
PROSTATECTOMY	1535	.	0.04	0.14	0.48	1.72	.	0.18	0.75	1.89	4.92	.	0.39	1.85	4.19	10.36
CHOLECYSTECTOMY	638	.	0.21	1.54	3.80	9.35	.	0.67	3.36	8.16	17.70	.	1.22	4.63	10.21	25.49
HYSTERECTOMY	67	.	.	0.03	0.12	0.31	.	.	0.05	0.25	1.02	.	.	0.12	0.72	2.28

Table A-18

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1989

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2753	0.00	0.10	0.51	2.44	45.90	0.00	0.11	0.62	3.21	68.78	0.00	0.05	0.30	1.88	77.44
OVERALL(>= 750 CASES)	2661	0.00	0.02	0.08	0.28	4.86	0.00	0.02	0.11	0.38	8.31	0.00	0.01	0.05	0.18	9.39
CONDITIONS																
AMI	1411	0.00	0.15	0.65	2.10	11.95	0.00	0.21	0.97	3.21	17.26	0.00	0.07	0.33	1.16	15.70
CHF	2288	0.00	0.13	0.64	2.02	9.49	0.00	0.17	0.81	2.64	14.97	0.00	0.07	0.36	1.24	7.73
PNEUMONIA/INFLUENZA	2153	0.00	0.13	0.63	2.13	10.57	0.00	0.16	0.72	2.35	11.29	0.00	0.06	0.35	1.24	9.80
COPD	322	0.00	0.28	1.18	3.67	17.57	0.00	0.23	1.04	3.62	21.15	0.00	0.06	0.30	1.34	26.99
TRANS. CEREBRAL ISCHEMIA	403	.	0.12	0.69	2.07	5.20	.	0.11	0.78	3.17	9.48	.	0.01	0.15	1.50	6.72
STROKE	1721	0.00	0.17	0.87	2.59	13.79	0.00	0.16	0.72	2.60	13.91	0.00	0.06	0.31	1.08	13.72
HIP FRACTURE	1105	0.00	0.11	0.52	1.89	10.13	0.00	0.11	0.52	1.61	11.14	0.00	0.02	0.11	0.82	12.02
SEPSIS	186	0.01	0.56	2.19	7.00	31.10	0.01	0.49	2.00	5.47	37.48	0.00	0.21	1.11	4.02	34.21
PROCEDURES																
ANGIOPLASTY	350	.	0.02	0.12	0.60	6.74	.	0.10	0.36	0.96	7.37	.	0.00	0.02	1.74	6.00
CABG	506	0.00	0.11	0.50	1.71	11.16	0.00	0.08	0.43	1.29	11.73	0.00	0.01	0.13	0.74	6.51
PACEMAKER	83	0.00	0.16	0.85	2.05	11.38	0.00	0.25	0.77	3.56	18.79	0.00	0.02	0.21	2.42	12.19
CAROTID ENDARTERECTOMY	50	.	0.05	0.30	1.38	2.33	.	0.00	0.07	0.66	3.40	.	0.00	0.09	1.28	2.83
HIP REPLACEMENT	650	.	0.06	0.40	1.45	7.28	.	0.07	0.36	1.23	6.62	.	0.01	0.13	0.91	4.71
REDUCT. OF HIP FRACTURE	245	0.00	0.16	0.71	2.13	10.22	0.00	0.18	0.63	1.99	8.99	0.00	0.02	0.19	1.59	18.22
PROSTATECTOMY	1451	.	0.05	0.34	0.81	2.16	.	0.04	0.31	1.10	3.68	.	0.01	0.10	0.55	2.20
CHOLECYSTECTOMY	646	.	0.07	0.41	1.33	6.35	.	0.06	0.35	1.21	5.76	.	0.05	0.33	1.26	5.09
HYSTERECTOMY	68	.	.	0.05	0.30	0.59	.	.	0.03	0.12	0.36	.	.	0.02	0.17	0.43

Table A-18

MODEL OFFSET VARIANCE (V4*10000) DISTRIBUTION FOR HOSPITALS WITH GREATER THAN 50 CASES
1989 STUDY, FY1988

CONDITIONS/PROCEDURES	NUMBER OF HOSPITALS	30 DAYS					90 DAYS					180 DAYS				
		2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%	2.5%	25%	50%	75%	97.5%
OVERALL(< 750 CASES)	2825	0.00	0.07	0.29	0.97	5.96	0.00	0.07	0.33	1.09	6.54	0.00	0.03	0.17	0.51	3.73
OVERALL(>= 750 CASES)	2702	0.00	0.01	0.06	0.18	0.97	0.00	0.02	0.08	0.23	1.12	0.00	0.01	0.03	0.10	0.50
CONDITIONS																
AMI	1398	0.04	3.81	16.97	42.71	126.2	0.21	16.09	43.62	84.87	198.4	8.55	57.24	98.78	151.8	282.7
CHF	2251	0.00	0.14	0.65	2.16	12.80	0.00	0.18	0.81	2.66	13.41	0.00	0.08	0.39	1.42	9.46
PNEUMONIA/INFLUENZA	2077	0.00	0.14	0.69	2.12	12.39	0.00	0.14	0.67	2.29	12.60	0.00	0.10	0.43	1.41	11.31
COPD	308	0.00	0.24	1.23	4.31	16.74	0.00	0.19	1.17	3.99	23.80	0.00	0.07	0.45	2.22	25.06
TRANS. CEREBRAL ISCHEMIA	396	.	.	0.14	0.67	1.78	.	.	0.18	0.85	2.38	.	.	0.01	0.09	0.93
STROKE	1716	0.00	0.18	0.87	2.99	15.49	0.00	0.17	0.83	2.52	14.21	0.00	0.07	0.32	1.17	11.14
HIP FRACTURE	1112	0.00	0.14	0.71	1.96	10.68	0.00	0.13	0.65	1.81	12.00	0.00	0.02	0.13	0.96	11.30
SEPSIS	131	0.00	0.37	1.62	6.76	37.33	0.01	0.58	2.34	5.88	25.35	0.01	0.23	0.92	4.01	35.64
PROCEDURES																
ANGIOPLASTY	277	.	0.02	0.11	0.45	3.33	.	0.06	0.34	0.82	3.86	.	0.00	0.03	1.11	4.49
CABG	489	0.00	0.09	0.42	1.25	12.98	0.00	0.10	0.42	1.27	8.29	0.00	0.02	0.11	0.63	4.51
PACEMAKER	82	0.00	0.16	1.05	2.40	12.66	0.00	0.18	0.73	2.74	12.33	0.00	0.03	0.25	3.02	13.26
CAROTID ENDARTERECTOMY	62	.	0.05	0.31	0.90	2.12	.	0.02	0.33	1.18	4.72	.	0.00	0.09	1.26	2.91
HIP REPLACEMENT	647	0.00	0.09	0.54	1.63	6.90	0.00	0.08	0.37	1.14	7.50	0.00	0.02	0.14	0.94	4.65
REDUCT. OF HIP FRACTURE	258	0.00	0.18	0.71	2.53	14.23	0.00	0.15	0.63	2.05	10.78	0.00	0.02	0.20	1.83	8.09
PROSTATECTOMY	1535	.	0.08	0.35	0.83	2.42	.	0.06	0.38	1.29	4.34	.	0.01	0.10	0.60	2.42
CHOLECYSTECTOMY	638	.	0.07	0.47	1.40	6.62	.	0.07	0.36	1.14	5.69	.	0.03	0.22	1.28	4.94
HYSTERECTOMY	67	.	.	0.10	0.36	0.83	.	.	0.03	0.35	1.08	.	.	0.02	0.31	0.70

APPENDIX 10

POOLED ANALYSES

This year, the models were developed with year indicators to distinguish years from one another. As in previous years, hospital offsets were determined by year for each hospital. These offsets provide a useful and succinct three-component summary of how the hospital differs from the national experience. Many commenters have noted that for hospitals with a small number of cases, especially for some of the procedures and conditions, a more reliable estimate might be obtained by using pooled estimates over multiple years. To examine this assumption, we generated pooled offset estimates for the 3 years of data and compared the estimates with the individual year estimates. Using a likelihood Chi-square statistic of 12.59 with 6 d.f. (p=0.05), we find 744 hospitals had significant variation among years. At the more stringent 1 percent level of significance ($\chi^2 . \geq 16.81$, d.f. = 6), we find 252 hospitals had highly significant variation among years. These are listed below by Medicare provider number.

010034, 010057, 010065, 010083, 010110, 010144, 020006, 030022, 030051, 040030, 040081, 050049, 050058, 050096, 050100, 050102, 050111, 050135, 050136, 050169, 050170, 050174, 050181, 050195, 050207, 050241, 050242, 050264, 050277, 050292, 050295, 050298, 050317, 050327, 050382, 050436, 050485, 050517, 050575, 050581, 050625, 050630, 050633, 050660, 050678, 070013, 080005, 090003, 090006, 100012, 100019, 100033, 100034, 100047, 100054, 100078, 100113, 100122, 100129, 100149, 100156, 100157, 100162, 100169, 100224, 100253, 100271, 100277, 110039, 110083, 110187, 110190, 110194, 110195, 130031, 140026, 140054, 140146, 140210, 150002, 150007, 150027, 150066, 150072, 150076, 150082, 150098, 150127, 160039, 160075, 160077, 170014, 170045, 170049, 170070, 170086, 170126, 180011, 180012, 180014, 180037, 180079, 180128, 180137, 190004, 190075, 190206, 200028, 200031, 200051, 210046, 210054, 220028, 220029, 220033, 220046, 220053, 220060, 220071, 220073, 230006, 230051, 230104, 230107, 230117, 230134, 240004, 240010, 240057, 240063, 240184, 250058, 250067, 260001, 260019, 260064, 260080, 260095, 260108, 260142, 260173, 260180, 270023, 270063, 280030, 280050, 280080, 290007, 300001, 300002, 300005, 300007, 300014, 310015, 310034, 310045, 310061, 310116, 320057, 330007, 330027, 330133, 330158, 330181, 330194, 330195, 330196, 330229, 330261, 330308, 330336, 330357, 330396, 340053, 340069, 340096, 340142, 340158, 350005, 360042, 360045, 360048, 360085, 360144, 360148, 360186, 360197, 360200, 370001, 370022, 370036, 370039, 370106, 370141, 390013, 390090, 390110, 390130, 390153, 390198, 390201, 390225, 400103, 400114, 420068, 430031, 440029, 440049, 440067, 440090, 440131, 440176, 450035, 450043, 450058, 450092, 450102, 450113, 450123, 450132, 450184, 450218, 450219, 450224, 450234, 450315, 450321, 450349, 450358, 450389, 450419, 450488, 450538, 450575, 450647, 450651, 450670, 450704, 460030, 470003, 490099, 490110, 500001, 500014, 500052, 500139, 510062, 510080, 520019, 520054, 520109, 520117

SECTION B

POPULATION-BASED RATES FOR MORTALITY AND HOSPITAL UTILIZATION

Population-Based Rates for Mortality and Hospital Utilization

This section of the Technical Supplement describes the methodology used for the evaluation of rates of hospitalization and of the overall probability of death of Medicare beneficiaries.

The unit of analysis in the estimation of observed and predicted probabilities of hospitalization and of death in the overall Medicare population was the ZIP Code area. Thus, the number of Medicare beneficiaries in a ZIP Code area who were hospitalized in FY 1990 for the reasons specified in the display categories in the body of this publication (see Table A-1 of Section A) and the number who died for any reason were counted and compared to the numbers expected on the basis of their demographic characteristics and the socioeconomic status of that area.

The concomitant information is derived primarily from the beneficiary file (HISKEW). Concomitant information is summarized in terms of the average age, sex, and race black for each of the areas. To describe more fully an area, we also included the variance and covariance for these variables. The Claritas ZQ® score for 1990 was used to provide additional information descriptive of the social and economic status for each ZIP Code area. The number of months for HMO enrollment relative to the total number of months of eligibility was examined in our models and generally not found to provide additional improvement in the prediction models.

For the State and Metropolitan Statistical Area summaries, we provide a comparison of the observed rate with the rate predicted from a national model estimated at the ZIP Code level and further aggregated to the level under consideration.

MODEL FOR NUMBER OF HOSPITALIZATIONS AND NUMBER OF DEATHS IN ZIP CODE AREA

The Poisson model is generalized to allow for a different probability of zero counts for the number of deaths or the number of hospitalizations. The probability of the number of deaths or the number of hospitalizations y in a ZIP Code area is given by

$$p(y) = \begin{cases} \exp(-\rho), & y = 0 \\ \Re \dfrac{\mu^{y} \exp(-\mu)}{y!}, & y = 1, 2, 3, \ldots \end{cases}$$

where

$$\mathfrak{R} = \frac{1 - \exp(-\rho)}{1 - \exp(-\mu)} .$$

Linear combinations of the concomitant variables are introduced as follows:

$$\mu_L = \mu_1 x_1 + \ldots + \mu_k x_k$$

$$\mu = N \exp(\mu_0 + \mu_L)$$

and

$$\rho = N \exp(\rho_0 + \rho_1 \mu_L)$$

where x_i's denote the concomitant variables, N is the number of eligibles at risk in the ZIP Code area, and the coefficients ρ_0, ρ_1 and μ_i for i=0, 1, ..., k are parameters to be estimated.

When $\mathfrak{R}=1$, the model reduces to the usual Poisson model. This generalization of the Poisson provides some flexibility in fitting the data and allows for a different propensity for the zero count from that found in the Poisson.

The expected count is

$$E(Y) = \mathfrak{R}\,\mu$$

and the variance is

$$\mathrm{Var}(Y) = \mathfrak{R}(1 - \mathfrak{R})\,\mu^2 + \mathfrak{R}\mu$$

Other moments are easily obtained for skewness and kurtosis calculations.

Maximum likelihood estimation of the parameters of the utilization and population–based mortality models was done by an adaptation of the SAS® PROC NLIN procedure for nonlinear analysis.

Estimates of the expected number E_i of hospitalizations or deaths are obtained from the models for each ZIP Code. These estimates are then added for all ZIP Codes in an area (State or MSA). The ratio of the sum of expected hospitalizations or deaths to the total number of eligibles in the area is the expected rate. A similar calculation is performed for the observed number of hospitalizations to obtain an observed rate.

The residual locale-specific offsets are computed as described below. With the parameter estimates for the Medicare population fixed, the cases in the area or group are used to estimate the offset parameters μ_{off} in μ. Note that offsets ρ_{off} in ρ were not computed because, generally, there were too few ZIP Code areas with zero counts to permit reliable estimates.

VARIABLES FOR THE MORTALITY RATE AND THE HOSPITALIZATION RATE MODELS

The variables included in our model are listed below. The choice of variables for these analyses is limited by information available on all Medicare eligibles. The age, sex, race, and ZIP Code of residence are generally available. Any exogenous variables available by ZIP Code can also be merged into the file. One such variable is the ZQ index purchased from Claritas®. This variable is a ZIP Code-specific index of income and education that ranges from 0 to 100 with 100 having the highest income, cost of housing, and educational level.

To allow for a missing ZQ index for a ZIP Code, we introduced an indicator variable ZQM which is 1 when the ZQ score is missing and 0 otherwise. Also we set the value of ZQ=0 when ZQM=1. In this way, we are able to estimate linear combinations for our models without losing cases.

Age is first expressed as the age in years on April 1, 1990. Then a dimensionless age variable is formed as the ratio (age-65)/65. The sex variable for an individual is 1 for a female and 0 otherwise. The race black variable for an individual is 1 for black and 0 otherwise.

Since the analysis is conducted with the ZIP Code rather than the individual as the unit of analysis, variables in the regressions are the averages, variances, and covariances of the age, sex, and race variables. The covariance terms were included in the analysis to more fully represent the joint ranges of the population characteristics at the ZIP Code level of aggregation.

Estimates of the coefficients are shown in Table B-1. The regression coefficients were used to compute the predicted probabilities of death in the individual ZIP Code areas and, by aggregation, at the MSA and State levels.

In our tables and figures we have designated the coefficient estimates of these variables as shown below. Note the prefix M to the variable name is used for the variables in μ and the prefix R is used for variables in ρ.

Variable	Description
M0	Indicator for the intercept μ_0 with a value of 1
MCOV_AB	Covariance of the Age and Race Black
MCOV_AS	Covariance of the Age and Sex
MCOV_BS	Covariance of the Race Black and Sex
MM_AG	Mean of Age, where Age is difference from 65 years divided by 65
MM_BL	Mean of Race Black
MM_SX	Mean of Sex, Female = 1, 0 otherwise
MV_AG	Variance of Age
MV_BL	Variance of Race Black
MV_SX	Variance of Sex
MZQ	Value of ZQ Index
MZQM	Indicator = 1 if ZQ index is missing, 0 otherwise
MZSQ	Square of Value of ZQ Index
R0	Indicator for the intercept ρ_0 with a value of 1
R1	Linear combination μ_L with coefficient ρ_1

COMPUTATIONS

The utilization or mortality rate is defined as

$$U = \frac{\sum_{i=1}^{k} Y_i}{\sum_{i=1}^{k} N_i}$$

where Y_i is the number of events (admissions or deaths) and N_i is the number of persons at risk (number of Medicare beneficiaries).

The expected value of the utilization or mortality rate is

$$E[U] = \frac{\sum_{i=1}^{k} E_i}{\sum_{i=1}^{k} N_i}$$

and the variance of the utilization or mortality rate is

$$Var[U] = \frac{\sum_{i=1}^{k} V_i}{\left[\sum_{i=1}^{k} N_i\right]^2}$$

where

$$E_i = E[Y_i] = \Re\mu.$$

and

$$V_i = Var[Y_i] = \Re(1 - \Re)\mu^2 + \Re\mu.$$

Then

$$SD = \sqrt{Var(U)}.$$

The relative offset for the locale is

$$R_{off} = \exp(\widehat{\mu_{off}}).$$

The standard error of relative offset

$$SE[R_{off}] = \frac{R_{off}}{\sqrt{I_{off}}}$$

where

$$I_{off} = E\left[\left(\frac{\partial LL}{\partial \mu_{off}}\right)^2\right] = \Re\mu(1 + \mu) - \frac{\mu^2\Re}{1 - e^{-\mu}}.$$

CHI-SQUARE STATISTICS FOR THE LOCALE

A Chi-square statistic was also computed to estimate the statistical significance of the difference between the probability of hospitalization or death observed in the locale and that predicted for its population from the national experience.

The loglikelihood Chi-square statistic is applied only to the cases in the group or locale. The national Medicare model is obtained by using a full array of ZIP Code area concomitant variables in the model with all of the data. A loglikelihood is then computed for each subset group or locale using the estimates for the national model. Denote this loglikelihood for the cases in the group or locale by LL'. Then use only the cases in the subset group or locale to estimate the coefficients for an additional concomitant variable $x_{off} = 1$ for the cases in the group, while holding the estimates of component parameters from the national model fixed.

To make this idea clearer, let μ'_i and ρ'_0 and ρ'_1 denote the national estimates so that

$$\mu' = N \exp(\mu'_0 + \mu'_1 x_1 + \ldots + \mu'_i x_i + \ldots + \mu'_k x_k).$$

$$\rho' = N \exp(\rho'_0 + \rho'_1 \mu'_L).$$

Then the model is run with an additional component parameter μ_{off} to be estimated. The component parameters with primes **are not reestimated**; i.e., they are held fixed at the national estimates. The structural parameters are now

$$\mu'' = N \exp(\mu'_0 + \mu'_1 x_1 + \ldots + \mu'_i x_i + \ldots + \mu'_k x_k + \mu_{off}).$$

The component associated with the area or group offset is μ_{off}. The ***relative ratio*** is $\exp(\mu_{off})$. If μ_{off} is zero, then the relative ratio is 1 and there is no difference from the national Medicare model.

The loglikelihood from the estimation of the offsets is LL".

Then the likelihood Chi-square statistic with one degree of freedom is

$$X^2(1) = -2(LL' - LL'').$$

IMPLEMENTATION OF MAXIMUM LIKELIHOOD ESTIMATION

The maximum likelihood estimation of the modified Poisson model was implemented using SAS® PROC NLIN as described by R. C. Bailey and B. P. Eynon (1987) or E. R. Cross, R. C. Bailey, and J. G. Olson (1988).

We specify the likelihood l_i for each ZIP Code area as the probability specified by the model above with the ZIP-specific values of the number of events (deaths or admissions) and the concomitant information on age, sex, race, and ZQ index as specified. Then we maximize the natural logarithm of the likelihood

$$L = \sum_{i=1}^{n} \ln(l_i)$$

using SAS® PROC NLIN (SAS Institute Inc. (1985)).

REFERENCES

Bailey, R. Clifton and Eynon, B. P., "Toxicity Testing of Drilling Fluids: Assessing Laboratory Performance and Variability" in Chemical and Biological Characterization of Municipal Sludges, Sediments, Dredge Spoils, and Drilling Muds, edited by Lichtenberg/Winter/Weber/ Fradkin, ASTM STP (1987), 976

Claritas ZQ® score, Claritas Corporation, 210 North Union Street, Suite 200, Alexandria, Virginia 22314

Cross, E. R., Bailey, R. C., and Olson, J. G., "A Quantitative Investigation of the Seasonal Occurrence of *Culex Tritaeniorhynchus* in Okinawa," **Environment International**, Vol. 14 (1988), pp. 11-18

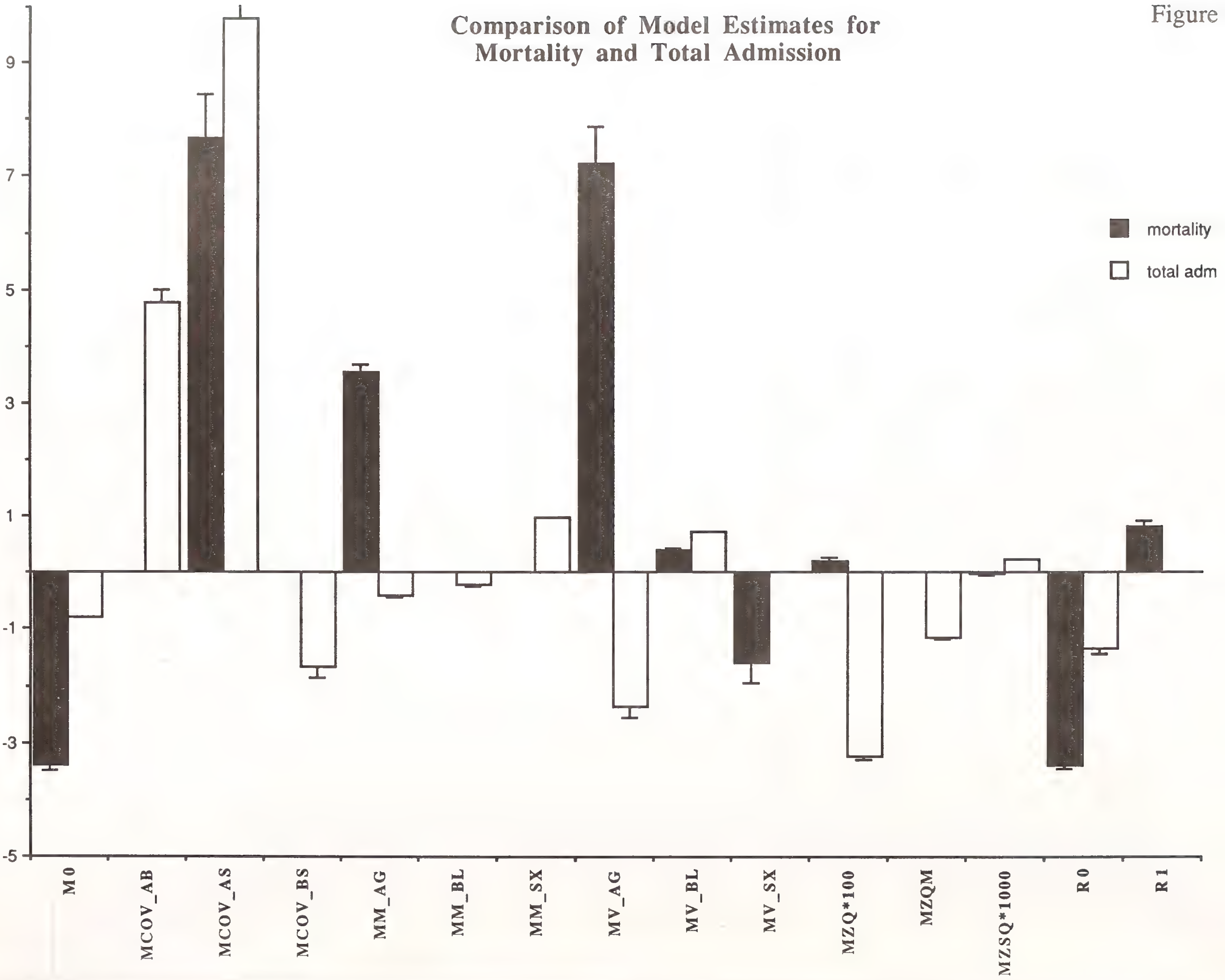
SAS Institute Inc., "The NLIN Procedure," Chapter 25, SAS User's Guide: Statistics, Version 5 Ed (1985), pp. 575-606.

Table B-1. Coefficients for the Total Mortality and Hospital Admission Models – FY 90

Label	Mortality		Total Admission		AMI		CHF		ANGPLSTY		CABG		PACE		PNU		COPD		TCI	
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE
M0	-3.39	0.10	-0.79	0.02	-3.82	0.13	-4.02	0.08	-4.22	0.17	-5.32	0.47	-5.66	0.26	-2.76	0.09	-2.95	0.10	-4.51	0.11
MCOV_AB			4.74	0.23	9.41	1.81	14.82	1.16							12.85	1.16	12.04	1.80	10.31	2.79
MCOV_AS	7.63	0.79	9.78	0.23	10.58	1.73			8.07	3.02	8.31	2.84			13.38	1.20	22.82	1.87	23.54	2.89
MCOV_BS			-1.68	0.19					-9.79	2.56	-6.01	2.41							-5.73	2.36
MM_AG	3.53	0.13	-0.42	0.04			-0.59	0.21	-2.07	0.55	-4.05	0.47	2.01	0.59	2.71	0.18	-4.28	0.35	-3.61	0.50
MM_BL			-0.24	0.01	-0.79	0.09			-1.31	0.17	-1.10	0.15	-0.41	0.15	-1.02	0.06	-0.97	0.09	-0.46	0.10
MM_SX			0.95	0.02	0.49	0.15	1.64	0.12	-2.09	0.33							0.54	0.19	2.66	0.29
MV_AG	7.20	0.63	-2.38	0.18	-6.99	1.33	-5.43	0.90	-13.86	2.44	-22.35	2.41	-5.52	2.17	9.37	0.95	-9.97	1.55	-19.66	2.26
MV_BL	0.37	0.04	0.70	0.02	0.69	0.17	0.64	0.04	1.13	0.29	0.76	0.27	1.03	0.29	1.28	0.11	1.11	0.18	1.00	0.21
MV_SX	-1.60	0.36									3.69	1.76								
MZQ*100	0.18	0.08	-3.26	0.06	-3.17	0.41	-2.89	0.25	0.92	0.33			-2.12	0.89	-7.12	0.31	-6.05	0.47	-6.43	0.44
MZQM			-1.17	0.02	-1.28	0.12	-1.20	0.07			-0.40	0.09	-0.82	0.27	-2.37	0.09	-2.22	0.13	-2.06	0.15
MZSQ*1000	-0.04	0.01	0.22	0.01	0.19	0.04	0.17	0.02	-0.13	0.03	-0.06	0.01	0.17	0.08	0.49	0.03	0.36	0.05	0.49	0.04
R0	-3.39	0.09	-1.36	0.07	-4.21	0.13	-4.33	0.05	-5.14	0.16	-5.45	0.28	-5.87	0.22	-3.49	0.11	-4.18	0.14	-5.21	0.10
R1	0.80	0.11			0.69	0.11	0.55	0.10	0.61	0.10	0.59	0.09	0.82	0.23	0.57	0.07	0.59	0.06	0.46	0.08

Label	STROKE		ENDART		FXHIP		HIPREP		OPRDUX		PROS		CHOLOTMY		HYS		SEPSIS	
	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE	Estimate	SE
M0	-4.39	0.12	-7.35	0.87	-6.41	0.16	-5.93	0.06	-5.95	0.37	-4.58	0.40	-5.62	0.68	-6.22	0.21	-5.95	0.06
MCOV_AB	5.02	1.56											10.27	3.04				
MCOV_AS	5.38	1.16	25.25	4.84	10.68	2.07	7.54	1.66	11.51	2.95			7.20	2.50			9.86	1.79
MCOV_BS			-13.75	4.23			-6.55	2.00					-7.20	2.35				
MM_AG	1.47	0.27	-5.30	0.82	5.92	0.42	5.01	0.39	6.32	0.56	2.54	0.36	-2.60	0.48			1.99	0.35
MM_BL			-1.90	0.32	-1.08	0.12	-0.61	0.13	-1.19	0.16			-1.09	0.14	-0.55	0.11	0.28	0.08
MM_SX	0.64	0.17			1.38	0.23					-2.12	0.23	1.27	0.39	0.72	0.35		
MV_AG			-32.06	4.15	9.28	1.73			8.65	2.39	-8.24	1.14	-9.57	2.14	-5.63	2.13		
MV_BL	1.04	0.09	1.13	0.51	0.73	0.21	-0.53	0.22	1.41	0.28			0.73	0.27			1.33	0.17
MV_SX			9.85	3.25					-4.00	1.34	4.27	1.31	5.50	2.11				
MZQ*100	-2.88	0.40			-1.71	0.57					-0.42	0.07	-3.55	0.68	-0.68	0.15		
MZQM	-1.06	0.11	-0.57	0.16	-0.45	0.15	-0.14	0.07			-0.32	0.06	-1.49	0.19	-0.43	0.13		
MZSQ*1000	0.19	0.04	-0.20	0.02	0.13	0.05	-0.04	0.01					0.16	0.06			-0.03	0.01
R0	-4.43	0.16	-7.39	0.55	-6.29	0.16	-5.99	0.07	-6.02	0.30	-4.68	0.37	-5.55	0.45	-6.26	0.18	-6.07	0.06
R1	1.22	0.15	0.62	0.07	0.84	0.08	0.99	0.11	0.79	0.10	0.93	0.11	0.67	0.10	0.89	0.24	0.75	0.13

Figure B-1a.



Comparison of Model Estimates for Mortality and Total Admission

Figure B-1b.

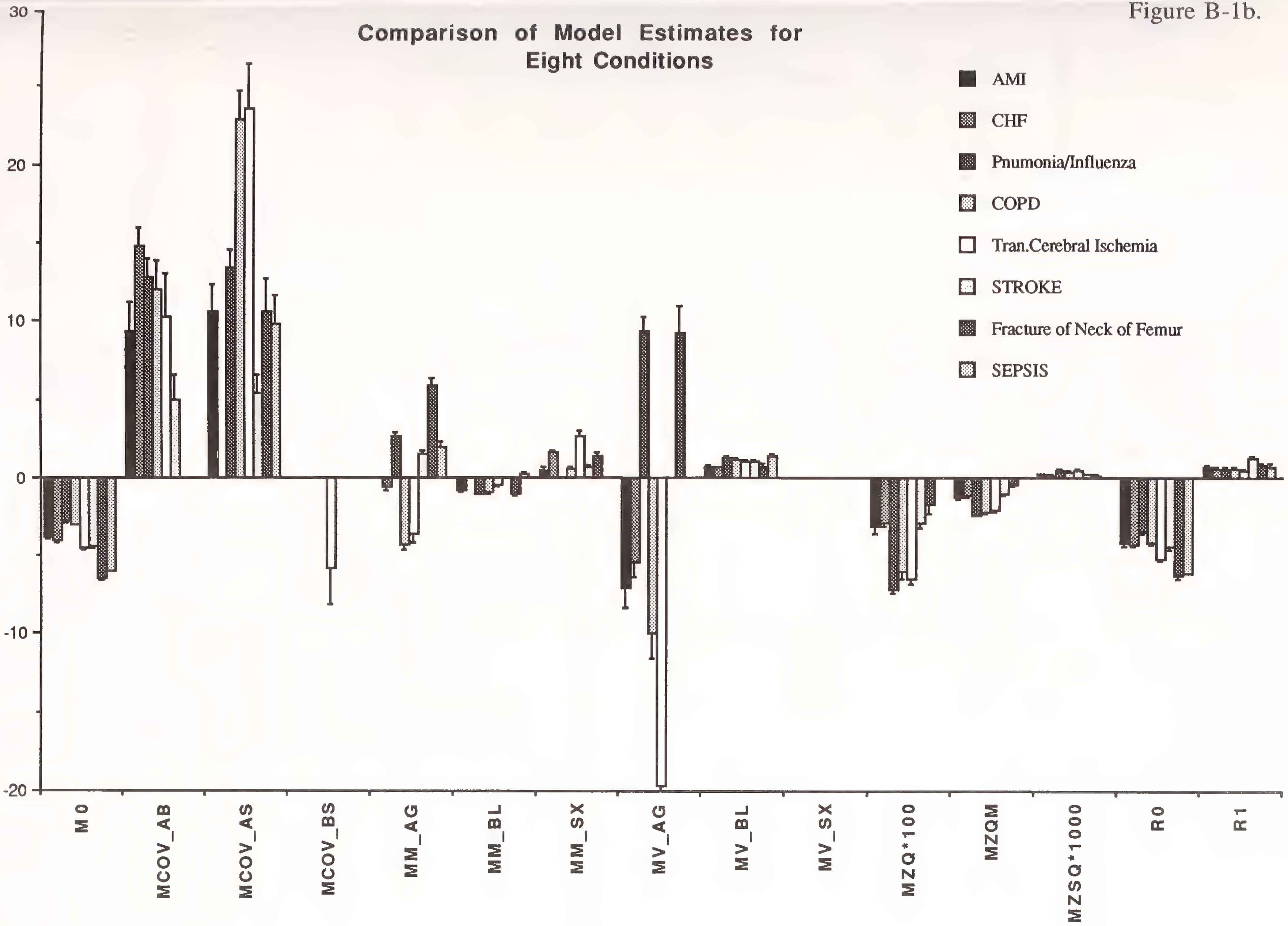
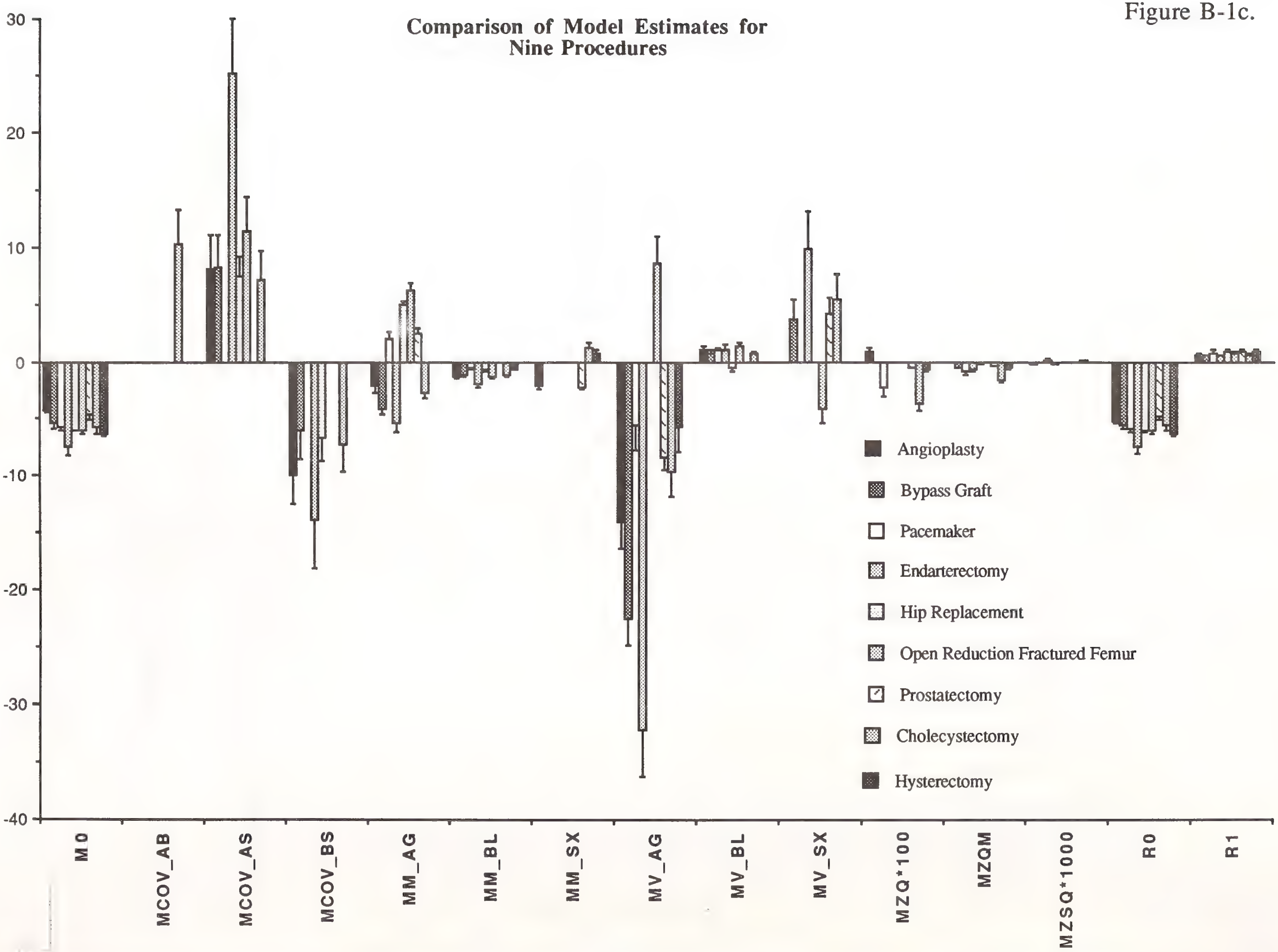
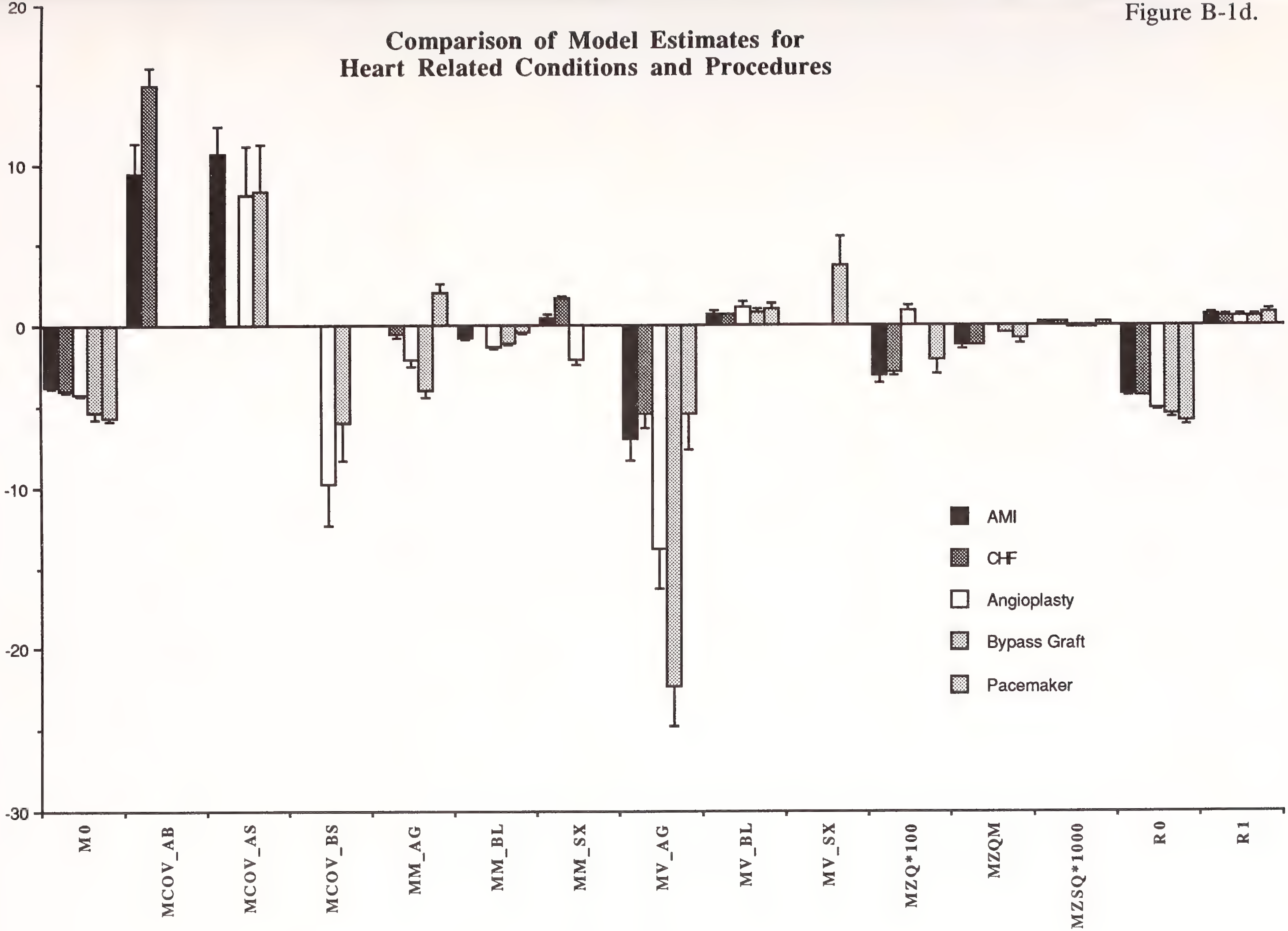

Comparison of Model Estimates for Eight Conditions
AMI
CHF
Pnumonia/Influenza
COPD
Tran.Cerebral Ischemia
STROKE
Fracture of Neck of Femur
SEPSIS
30
20
10
0
-10
-20
M0
MCOV_AB
MCOV_AS
MCOV_BS
MM_AG
MM_BL
MM_SX
MV_AG
MV_BL
MV_SX
MZQ*100
MZQM
MZSQ*1000
R0
R1

Figure B-1c.



Comparison of Model Estimates for Nine Procedures

Figure B-1d.



Comparison of Model Estimates for Heart Related Conditions and Procedures

SECTION C

HOSPITALIZATION AND MORTALITY DATA FOR METROPOLITAN STATISTICAL AREAS

Hospitalization and Mortality Data for Metropolitan Statistical Areas

This section presents data on postadmission mortality rates (the upper of the two tables on each page) and on population-based probabilities of hospitalization and of death (the lower of the two tables) in the Metropolitan Statistical Areas (MSA) of the United States. The section begins with a detailed numerical listing of MSAs and their corresponding hospital Medicare provider numbers which will assist the user in associating hospitals to MSAs.

The upper tables have the form of, and were computed in the same manner as, the tables for individual hospitals, as described in Section A. Probabilities of death following admission were first computed for individual patients and were then aggregated to the level of the MSA. The MSA was that of the hospital to which the patient was admitted. This table, therefore, provides a context in which the experience of hospitals can be evaluated. Thus, different inferences should be drawn if an unexpectedly high mortality rate observed in a hospital is or is not consistent with the pattern observed in its MSA. If it is, then a problem characteristic of the MSA, perhaps related to policies governing the management of the health care system, might be suggested. If it is not, then there is additional reason to suspect a problem specific to the hospital.

The lower tables were computed in the manner described in Section B. Because they are the results of a cross-sectional, rather than longitudinal, analysis and represent the experience of a population in a fiscal year, rather than the eventuation of an outcome (death) following an index event (a hospitalization), a single value each of the observed and predicted probability of admission or death is presented. All admissions, not just a selected admission as in the upper table, were used for the computation of probabilities of hospitalization. Similarly, all deaths of Medicare beneficiaries in the MSA were used in the calculation of the probability of death. Because the data represent the experience of a population, assignment of a person to an MSA is on the basis of that person's residence. In addition, because all deaths are included in the analyses and not only those that followed hospitalization, only probabilities of death without respect to reason for hospitalization were computed. "Eligibles," displayed in the center of the lower tables, is the number of persons with Medicare eligibility during FY 1990. Two columns in the lower tables differ from those in the upper. "Relative Rate" is the ratio of the observed to predicted probability of admission or death. "SE" is the standard error of the Relative Rate.

Associated MSAs and Medicare Provider Numbers

STATE	MSA	MEDICARE PROVIDER NUMBER
AK	0380	020001, 020017, 020026
AK (NONMSA)		020002, 020004, 020005, 020006, 020007, 020008, 020009, 020010, 020011, 020012, 020013, 020014, 020018, 020019, 020020, 020021, 020024, 020025, 020027
AL	0450	010020, 010038, 010078, 010146
AL	1000	010011, 010016, 010018, 010033, 010050, 010056, 010064, 010068, 010084, 010089, 010103, 010104, 010114, 010117, 010130, 010137, 010139
AL	1800	010031, 110064, 110129, 110186, 110200
AL	2030	010009, 010054, 010059, 010085
AL	2180	010001, 010021, 010055, 010150
AL	2650	010006, 010019, 010123, 010124
AL	2880	010040, 010046
AL	3440	010039, 010127, 010131
AL	5160	010083, 010087, 010090, 010100, 010113, 010119, 010129, 010144, 010152
AL	5240	010023, 010024, 010034, 010081, 010097, 010108, 010149, 010153
AL	8600	010092, 010145
AL (NONMSA)		010004, 010005, 010007, 010008, 010010, 010012, 010015, 010022, 010025, 010027, 010028, 010029, 010032, 010035, 010036, 010043, 010044, 010045, 010047, 010049, 010051, 010052, 010053, 010057, 010058, 010060, 010061, 010062, 010065, 010066, 010069, 010072, 010073, 010079, 010080, 010086, 010091, 010094, 010095, 010096, 010098, 010099, 010101, 010102, 010109, 010110, 010112, 010115, 010118, 010120, 010121, 010122, 010125, 010126, 010128, 010134, 010136, 010138, 010143, 010148, 010155
AR	2580	040004, 040013, 040022
AR	2720	040018, 040055, 040062, 370112
AR	4400	040007, 040016, 040021, 040029, 040036, 040074, 040084, 04010F, 040114, 040116
AR	4920	040042, 250141, 440048, 440049, 440071, 440131, 440147, 440152, 440159, 440166, 440170, 440183

AR	6240	040071
AR	8360	040063, 450200, 450703, 450751
AR (NONMSA)		040001, 040002, 040003, 040005, 040006, 040008, 040010, 040011, 040014, 040015, 040017, 040019, 040020, 040024, 040025, 040026, 040027, 040028, 040030, 040031, 040032, 040033, 040035, 040037, 040039, 040040, 040041, 040044, 040045, 040047, 040048, 040050, 040051, 040053, 040054, 040058, 040060, 040064, 040066, 040067, 040069, 040070, 040072, 040075, 040076, 040077, 040078, 040080, 040081, 040082, 040085, 040088, 040090, 040091, 040093, 040095, 040100, 040105, 040106, 040107, 040109, 040115, 040118, 040119, 040122, 040124, 040126, 040131
AZ	6200	030001, 030002, 030003, 030008, 030014, 030017, 030018, 030019, 030022, 030024, 030025, 030030, 030036, 030037, 030038, 030057, 030059, 030061, 030065, 030078, 030083, 030087, 030088, 030089, 030092, 030093, 030094
AZ	8520	030006, 030009, 030010, 030011, 030035, 030064, 030074, 030080, 030085, 03013F
AZ	9360	030013, 030067, 030079
AZ (NONMSA)		030004, 030007, 030012, 030016, 030023, 030027, 030033, 030034, 030040, 030041, 030043, 030044, 030046, 030047, 030049, 030051, 030054, 030055, 030060, 030062, 030068, 030069, 030071, 030072, 030073, 030075, 030076, 030084, 030086, 030091
CA	0360	050065, 050069, 050168, 050173, 050193, 050224, 050226, 050230, 050282, 050348, 050363, 050426, 050431, 050491, 050526, 050527, 050530, 050535, 050543, 050550, 050551, 050560, 050564, 050565, 050567, 050570, 050580, 050585, 050589, 050592, 050594, 050603, 050609, 050678, 050679
CA	0680	050036, 050257, 050295, 050315, 050379, 050446, 050448, 050455, 050542, 050608
CA	1620	050030, 050039, 050225, 050307, 050404
CA	2840	050060, 050081, 050093, 050190, 050192, 050213, 050397, 050410, 050470, 050492, 050682
CA	4480	050018, 050021, 050029, 050034, 050040, 050049, 050056, 050058, 050063, 050066, 050078, 050080, 050086, 050091, 050096, 050103, 050104, 050111, 050112, 050114, 050116, 050124, 050126, 050132, 050135, 050137, 050138, 050139, 050144, 050146, 050147, 050149, 050155, 050158, 050161, 050169, 050170, 050175, 050191, 050199, 050204, 050205, 050212, 050214, 050219, 050229, 050231, 050235, 050238, 050239, 050240, 050241, 050256, 050258, 050262, 050263, 050267, 050269, 050277, 050278, 050281, 050290, 050299, 050310, 050317, 050328, 050337, 050343, 050350, 050351, 050353, 050369, 050373, 050376, 050378, 050382, 050391, 050393, 050401, 050411, 050420, 050427, 050432, 050438, 050456, 050459, 050467, 050468, 050471, 050477, 050481, 050483, 050485, 050486, 050489, 050502, 050531, 050545, 050552,

		050559, 050561, 050571, 050575, 050577, 050578, 050579, 050581, 050588, 050591, 050597, 050601, 050615, 050619, 050622, 050623, 050624, 050625, 050637, 050641, 050644, 050650, 050660, 050663, 050669, 050672, 050675, 050677
CA	4940	050117, 050436, 050444, 050451, 050497, 050528
CA	5170	050067, 050154, 050179, 050183, 050221, 050274, 050464, 050557
CA	5775	050002, 050043, 050053, 050072, 050074, 050075, 050079, 050087, 050143, 050180, 050181, 050195, 05021F, 050211, 050264, 050276, 050283, 050305, 050320, 050488, 050496, 050512, 050522, 050523, 050635, 050661, 050665, 050671, 050689
CA	6000	050046, 050052, 050082, 050159, 050177, 050236, 050394, 050549, 050593, 050616, 050666
CA	6690	050280, 050312, 050406
CA	6780	050022, 050041, 050054, 050089, 050099, 050102, 050129, 050140, 050243, 050245, 050260, 050272, 050279, 050292, 050298, 050300, 050327, 050329, 050345, 050390, 050423, 050469, 050517, 050534, 050573, 050584, 050586, 050587, 050618, 050630, 050651, 050684, 050686
CA	6920	050017, 050108, 050109, 050127, 050166, 050254, 050309, 050352, 050414, 050421, 050425, 050498, 050516, 050537, 050590, 050599, 050674, 050687
CA	7120	050145, 050189, 050248, 050334, 050458, 050544
CA	7320	050024, 050025, 050026, 050077, 050100, 050115, 050128, 050186, 050220, 050222, 050233, 050234, 050270, 050324, 050424, 050435, 050447, 050503, 050515, 050583, 050598, 050607, 050636, 050649
CA	7360	050007, 050008, 050033, 050047, 050055, 050070, 050076, 050113, 050131, 050152, 050197, 050208, 050228, 050289, 050293, 050302, 050360, 050407, 050454, 050457, 050510, 050541, 050613, 050668
CA	7400	050038, 050071, 050125, 050153, 050188, 050215, 050308, 050319, 050380, 050441, 050604, 050662, 050685, 050688
CA	7480	050061, 050107, 050110, 050357, 050396, 050449, 050478, 050655
CA	7485	050164, 050194, 050242
CA	7500	050032, 050090, 050136, 050174, 050291, 050331, 050385, 050547, 050667, 050670, 050690
CA	8120	050084, 050118, 050122, 050167, 050201, 050313, 050336, 050442, 050695
CA	8720	050009, 050013, 050073, 050101, 050367, 050680, 050691
CA	8780	050051, 050057, 050068, 050261, 050286, 050359, 050418, 050546
CA	9340	050133, 050207

CA (NONMSA)		050006, 050014, 050015, 050016, 050019, 050028, 050042, 050045, 050088, 050092, 050097, 050121, 050148, 050150, 050172, 050196, 050217, 050232, 050251, 050296, 050301, 050325, 050333, 050335, 050342, 050349, 050355, 050366, 050377, 050381, 050387, 050388, 050392, 050417, 050419, 050430, 050433, 050434, 050440, 050443, 050450, 050476, 050482, 050494, 050506, 050539, 050566, 050568, 050569, 050633, 050638, 050643, 050676
CO	1125	060003, 060027, 060103
CO	1720	060017, 060022, 060031
CO	2080	060004, 060005, 060009, 060011, 060014, 060015, 060024, 060026, 060028, 060032, 060034, 060064, 060065, 060087, 060093, 060100, 060101, 060102
CO	2670	060010, 060030, 060088
CO	3060	060001
CO	6560	060012, 060020
CO (NONMSA)		060006, 060007, 060008, 060013, 060016, 060018, 060023, 060029, 060033, 060036, 060037, 060038, 060039, 060041, 060042, 060043, 060044, 060046, 060047, 060049, 060050, 060052, 060053, 060054, 060056, 060057, 060058, 060060, 060062, 060063, 060066, 060068, 060070, 060071, 060072, 060073, 060074, 060075, 060076, 060085, 060090, 060096
CT	1163	070006, 070010, 070018, 070023, 070028, 070030, 070033, 070034
CT	3283	070002, 070004, 070008, 070009, 070011, 070012, 070013, 070015, 070020, 070025, 070026, 070027, 070029, 070035, 070036
CT	5483	070001, 070005, 070014, 070016, 070017, 070019, 070022, 07003F, 070031
CT	5523	070007, 070024
CT (NONMSA)		070003, 070021
DC	8840	090001, 090002, 090003, 090004, 090005, 090006, 090007, 090008, 090009, 090010, 090011, 210003, 210004, 210005, 210018, 210022, 210035, 210036, 210039, 210051, 210055, 210057, 490008, 490014, 490040, 490043, 490045, 490050, 490063, 490073, 490101, 490107, 490113, 490122
DE	9160	080001, 080003, 080005, 210032, 310069, 310091
DE (NONMSA)		080002, 080004, 080006, 080007
FL	1140	100035, 100213
FL	2020	100014, 100017, 100045, 100068, 100072, 100169, 100229
FL	2680	100038, 100039, 100042, 100056, 100073, 100085, 100086, 100167, 100189, 100194, 100199, 100200, 100210, 100224, 100225, 100228, 100230, 100237, 100276

FL	2700	100012, 100107, 100220, 100244
FL	2710	100044, 100246, 100260
FL	2750	100054, 100122, 100223, 100273
FL	2900	100082, 100103, 100113, 100204
FL	3600	100001, 100016, 100040, 100083, 100088, 100090, 100117, 100140, 100151, 100170, 100179, 100196, 100219, 100226, 100278
FL	3980	100005, 100052, 100099, 100121, 100137, 100157, 100164
FL	4900	100019, 100028, 100092, 100177
FL	5000	100008, 100009, 100020, 100022, 100029, 100033, 100034, 100050, 100053, 100059, 100060, 100061, 100076, 100079, 100100, 100114, 100125, 100131, 100152, 100154, 100165, 100172, 100181, 100183, 100187, 100208, 100209, 100222, 100240, 100277
FL	5345	100018
FL	5790	100062, 100212
FL	5960	100006, 100007, 100021, 100030, 100074, 100089, 100110, 100129, 100161, 100162, 100221, 100263
FL	6015	100026, 100242
FL	6080	100025, 100048, 100065, 100093, 100124, 100231, 100266
FL	7510	100070, 100087, 100166
FL	8240	100135, 100159, 100254
FL	8280	100015, 100032, 100043, 100046, 100055, 100063, 100067, 100069, 100071, 100075, 100126, 100127, 100128, 100132, 100143, 100145, 100149, 100173, 100174, 100180, 100186, 100191, 100203, 100206, 100211, 100218, 100227, 100235, 100238, 100239, 100243, 100248, 100255, 100256, 100259, 100264, 100265, 100271
FL	8960	100002, 100010, 100080, 100130, 100144, 100168, 100176, 100207, 100234, 100253, 100258, 100262, 100267, 100268, 100269, 100275
FL (NONMSA)		100004, 100023, 100024, 100027, 100047, 100049, 100051, 100057, 100077, 100078, 100081, 100084, 100098, 100102, 100105, 100106, 100108, 100109, 100112, 100118, 100134, 100138, 100139, 100142, 100146, 100147, 100150, 100156, 100160, 100175, 100185, 100195, 100217, 100232, 100236, 100241, 100249, 100252, 100270
GA	0120	110007, 110163
GA	0500	110006, 110040, 110074

GA	0520	110005, 110008, 110010, 110018, 110020, 110031, 110033, 110035, 110042, 110045, 110046, 110065, 110066, 110076, 110078, 110079, 110080, 110082, 110083, 110085, 110087, 110091, 110115, 110131, 110143, 110157, 110161, 110165, 110169, 110171, 110172, 110175, 110176, 110178, 110179, 110183, 110184, 110191, 110192, 110193, 110198, 110203
GA	0600	110028, 110034, 110039, 110111, 110162, 110177, 420082
GA	1560	110004, 440064, 440074, 440090, 440091, 440103, 440104, 440121, 440156, 440162, 440178
GA	1800	010031, 110064, 110129, 110186, 110200
GA	4680	110009, 110069, 110107, 110153, 110164, 110166
GA	7520	110024, 110036, 110043, 110156
GA (NONMSA)		110001, 110002, 110003, 110011, 110013, 110014, 110015, 110016, 110017, 110023, 110025, 110026, 110027, 110029, 110030, 110032, 110037, 110038, 110041, 110044, 110048, 110049, 110050, 110051, 110052, 110054, 110055, 110056, 110059, 110061, 110062, 110063, 110070, 110071, 110072, 110073, 110075, 110077, 110086, 110088, 110089, 110092, 110093, 110094, 110095, 110096, 110097, 110098, 110100, 110101, 110103, 110104, 110105, 110108, 110109, 110112, 110113, 110114, 110117, 110118, 110120, 110121, 110122, 110123, 110124, 110125, 110127, 110128, 110130, 110132, 110133, 110134, 110135, 110136, 110140, 110141, 110142, 110144, 110146, 110149, 110150, 110151, 110152, 110154, 110155, 110168, 110174, 110181, 110185, 110187, 110188, 110189, 110190, 110194, 110195, 110201, 110202, 110205
HI	3320	120001, 120004, 120006, 120007, 12001F, 120010, 120011, 120012, 120022, 120026, 120027
HI (NONMSA)		120002, 120003, 120005, 120009, 120014, 120015, 120016, 120018, 120019, 120021
IA	1360	160045, 160079
IA	1960	140036, 140041, 140123, 140204, 140275, 140280, 160025, 160033, 160104
IA	2120	160024, 160075, 160082, 160083, 160101, 160102, 160133
IA	2200	160069, 160117
IA	3500	160029, 160058
IA	5920	160028, 160047, 280013, 280030, 280040, 280047, 280060, 280081, 280085, 280088, 280105, 280122
IA	7720	160146, 160153
IA	8920	160040, 160067, 160094, 160110, 160138

IA (NONMSA)		160001, 160002, 160003, 160005, 160007, 160008, 160009, 160012, 160013, 160014, 160016, 160018, 160020, 160021, 160023, 160026, 160027, 160030, 160031, 160032, 160034, 160035, 160036, 160037, 160039, 160041, 160043, 160044, 160046, 160048, 160049, 160050, 160051, 160052, 160054, 160055, 160056, 160057, 160059, 160060, 160061, 160062, 160063, 160064, 160065, 160066, 160068, 160070, 160071, 160072, 160073, 160074, 160076, 160077, 160080, 160081, 160085, 160086, 160088, 160089, 160090, 160091, 160092, 160093, 160095, 160097, 160098, 160099, 160103, 160106, 160107, 160108, 160109, 160111, 160112, 160113, 160114, 160115, 160116, 160118, 160119, 160120, 160122, 160123, 160124, 160126, 160129, 160130, 160131, 160132, 160134, 160135, 160140, 160141, 160142, 160143, 160145, 160147, 160151, 160152
ID	1080	130006, 130007
ID (NONMSA)		130001, 130002, 130003, 130005, 130008, 130009, 130010, 130011, 130012, 130013, 130014, 130015, 130016, 130017, 130018, 130019, 130021, 130022, 130024, 130025, 130026, 130027, 130028, 130029, 130030, 130031, 130034, 130035, 130036, 130037, 130039, 130040, 130043, 130044, 130045, 130048, 130049, 130051, 130054, 130056, 130058
IL	0620	140029, 140030, 140154, 140174, 140211, 140217
IL	1040	140127, 140162
IL	1400	14009F, 140091, 140113, 140126
IL	1600	140008, 140010, 140017, 140018, 140048, 140049, 140051, 140054, 140062, 140063, 140065, 140068, 140072, 140075, 140079, 140080, 140082, 140083, 140085, 140087, 140088, 140090, 140094, 140095, 140098, 140103, 140105, 140114, 140115, 140116, 140117, 140118, 140119, 140122, 140124, 140132, 140133, 140144, 140150, 140151, 140152, 140158, 140172, 140176, 140177, 140179, 140180, 140181, 140182, 140191, 140192, 140197, 140200, 140206, 140207, 140208, 140212, 140223, 140224, 140226, 140231, 140240, 140242, 140250, 140251, 140252, 140253, 140258, 140276, 140281, 140288, 140290, 140292, 140295, 140297, 140299
IL	1960	140036, 140041, 140123, 140204, 140275, 140280, 160025, 160033, 160104
IL	2040	140135, 140166
IL	3690	140007, 140101, 140213
IL	3740	140155, 140186
IL	3965	140033, 140084, 140100, 140108, 140130, 140202, 140291
IL	6120	140013, 140014, 140067, 140120, 140121, 140209
IL	6880	140128, 140205, 140228, 140233, 140239
IL	7040	140002, 140052, 140059, 140066, 140070, 140077, 140125, 140145, 140168, 140185, 140187, 140289, 140293, 260002, 260005, 260008, 260014, 260020,

		260021, 260023, 260032, 260033, 260042, 260051, 260052, 260054, 260077, 260081, 26009F, 260091, 260103, 260104, 260105, 260108, 260159, 260162, 260176, 260179, 260180, 260191, 260198, 260200
IL	7880	140053, 140148, 140285
IL (NONMSA)		140001, 140003, 140004, 140005, 140011, 140012, 140015, 140016, 140019, 140024, 140025, 140026, 140027, 140031, 140032, 140034, 140035, 140037, 140038, 140039, 140040, 140042, 140043, 140045, 140046, 140047, 140055, 140058, 140061, 140064, 140069, 140074, 140081, 140086, 140089, 140093, 140097, 140102, 140107, 140109, 140110, 140112, 140129, 140137, 140138, 140139, 140140, 140141, 140143, 140146, 140147, 140159, 140160, 140161, 140164, 140165, 140167, 140170, 140171, 140173, 140184, 140188, 140189, 140190, 140193, 140199, 140203, 140210, 140215, 140218, 140220, 140229, 140230, 140232, 140234, 140236, 140245, 140246, 140271, 140273, 140286, 140294
IN	0400	150088, 150094, 150113
IN	1020	150051
IN	1640	150086, 180001, 180035, 180045, 360001, 360003, 360016, 360038, 360113, 360124, 360134, 360163, 360179, 360234, 360236
IN	2330	150018, 150026
IN	2440	150025, 150082, 150100, 150130, 180056
IN	2760	150017, 150021, 150045, 150047, 150101
IN	2960	150002, 150004, 150008, 150034, 150035, 150090, 150125, 150126, 150132
IN	3480	150001, 150005, 150014, 150024, 150032, 150033, 150037, 150038, 150056, 150057, 150059, 150074, 150084, 150097, 150104, 150128, 150129, 150136
IN	3850	150007, 150010, 150053
IN	3920	150003, 150109
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IN	8320	150023, 150046, 150050
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KS	8440	170016, 170086
KS	9040	170017, 170087, 170103, 170122, 170123, 170144, 170147, 170171
KS (NONMSA)		170001, 170003, 170004, 170006, 170007, 170008, 170010, 170011, 170012, 170013, 170014, 170015, 170018, 170019, 170020, 170021, 170022, 170023, 170024, 170025, 170026, 170027, 170030, 170031, 170032, 170033, 170034, 170035, 170036, 170037, 170038, 170039, 170041, 170043, 170044, 170045, 170050, 170051, 170052, 170053, 170054, 170055, 170056, 170057, 170058, 170060, 170061, 170062, 170063, 170064, 170066, 170067, 170068, 170069, 170070, 170072, 170073, 170074, 170075, 170076, 170077, 170079, 170080, 170081, 170082, 170084, 170085, 170088, 170089, 170090, 170092, 170093, 170094, 170095, 170097, 170098, 170099, 170100, 170101, 170102, 170105, 170106, 170108, 170110, 170112, 170113, 170114, 170115, 170116, 170117, 170119, 170120, 170121, 170124, 170125, 170126, 170128, 170131, 170134, 170139, 170140, 170142, 170143, 170145, 170150, 170151, 170152, 170159, 170160, 170164, 170166, 170168, 170170, 170172, 170173, 170174, 170175
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KY	1660	18003F, 180051, 440035
KY	2440	150025, 150082, 150100, 150130, 180056
KY	3400	180009, 180036, 360007, 510007, 510014, 510055
KY	4280	180007, 180010, 180046, 180067, 180072, 180092, 180101, 180103, 180136
KY	4520	150009, 150044, 150079, 150134, 180014, 180016, 180037, 180040, 180081, 180085, 180088, 180123, 180130, 180133, 180137, 180138
KY	5990	180015, 180038
KY (NONMSA)		180002, 180004, 180005, 180006, 180011, 180012, 180013, 180017, 180018, 180019, 18002F, 180020, 180021, 180023, 180024, 180025, 180026, 180027, 180028, 180029, 180030, 180031, 180032, 180033, 180034, 180041, 180042, 180043, 180044, 180047, 180048, 180049, 180050, 180053, 180054, 180055, 180058, 180059, 180060, 180062, 180063, 180064, 180065, 180066, 180069, 180070, 180075, 180078, 180079, 180080, 180087, 180093, 180094, 180095, 180099, 180102, 180104, 180105, 180106, 180108, 180115, 180116, 180117, 180118, 180120, 180121, 180122, 180124, 180125, 180126, 180127, 180128, 180129, 180132, 180134, 180139

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LA	0760	190020, 190064, 190065, 190120, 190122, 190128, 190202, 190204, 190207
LA	3350	190004, 190008, 190048, 190109, 190183
LA	3880	190002, 190006, 190102, 190136, 190196, 190205
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LA	5200	190011, 190125, 190160, 190178, 190197
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LA	7680	190041, 190071, 190098, 190111, 190112, 190113, 190115, 190127, 190189, 190194, 190212
LA (NONMSA)		190001, 190003, 190007, 190010, 190012, 190014, 190015, 190017, 190018, 190023, 190025, 190029, 190033, 190034, 190037, 190043, 190044, 190047, 190049, 190050, 190053, 190054, 190059, 190077, 190078, 190081, 190083, 190086, 190088, 190089, 190090, 190095, 190099, 190103, 190106, 190110, 190114, 190116, 190118, 190119, 190130, 190131, 190132, 190133, 190134, 190140, 190142, 190144, 190145, 190147, 190148, 190149, 190151, 190155, 190156, 190164, 190165, 190166, 190167, 190170, 190184, 190185, 190188, 190190, 190191, 190198, 190199, 190208
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MA	5403	220008, 220020, 220021, 220055, 220073
MA	6323	220038, 220046, 220051, 220107
MA	8003	220015, 220023, 220024, 220030, 220050, 220065, 220066, 220077, 220099, 220153, 220175
MA	9243	220001, 220003, 220019, 220025, 220026, 220028, 220034, 220057, 220058, 220062, 220090, 220094, 220095, 220115, 220163, 220173
MA (NONMSA)		220012, 220016, 220081, 220123, 220135
MD	0720	210002, 210006, 210007, 210008, 210009, 210011, 210012, 210013, 210015, 210021, 210023, 210024, 210026, 210029, 210031, 210033, 210034, 210038, 210040, 210043, 210044, 210048, 210049, 210056, 210058, 210059

MD	1900	210016, 210025, 210027, 210046, 210054, 510061
MD	3180	210001
MD	8840	090001, 090002, 090003, 090004, 090005, 090006, 090007, 090008, 090009, 090010, 090011, 210003, 210004, 210005, 210018, 210022, 210035, 210036, 210039, 210051, 210055, 210057, 490008, 490014, 490040, 490043, 490045, 490050, 490063, 490073, 490101, 490107, 490113, 490122
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MD (NONMSA)		210010, 210017, 210019, 210028, 210030, 210037, 210045
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ME	4243	200024, 200034
ME	6403	200007, 200008, 200009, 200017, 200019, 200020, 200021, 200025, 200040, 200043, 200044
ME (NONMSA)		200002, 200006, 200012, 200013, 200015, 200016, 200018, 200023, 200026, 200027, 200028, 200031, 200032, 200037, 200038, 200039, 200041, 200050, 200051, 200052, 200055, 200063, 200066
MI	0440	230046, 230144, 230156, 230212, 230259
MI	0780	230043, 230075, 230087, 230217
MI	0870	230021, 230078, 230125, 230137, 230161
MI	2160	230002, 230007, 230012, 230013, 230019, 230020, 230024, 230029, 230031, 230039, 230047, 230053, 230063, 230065, 230069, 230071, 230076, 230089, 230090, 230098, 230099, 230104, 230119, 230128, 230130, 230135, 230140, 230142, 230146, 230147, 230150, 230151, 230165, 230169, 230173, 230176, 230186, 230193, 230195, 230204, 230207, 230216, 230221, 230223, 230224, 230227, 230232, 230241, 230244, 230254, 230257, 230264, 230266, 230269, 230270, 230273, 230277
MI	2640	230068, 230111, 230114, 230132, 230141, 230197
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MI	3520	230092, 230184
MI	3720	230017, 230117, 230190
MI	4040	230006, 230103, 230129, 230153, 230157, 230167, 230230
MI	5320	230004, 230066, 230159
MI	6960	230041, 230070, 230077, 230122, 230222

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MN (NONMSA)		240007, 240008, 240009, 240011, 240013, 240014, 240016, 240017, 240018, 240021, 240022, 240023, 240025, 240027, 240029, 240030, 240037, 240041, 240043, 240044, 240045, 240051, 240052, 240058, 240064, 240065, 240069, 240071, 240072, 240073, 240074, 240075, 240077, 240079, 240082, 240083, 240085, 240086, 240087, 240088, 240089, 240090, 240091, 240093, 240096, 240098, 240099, 240100, 240101, 240102, 240103, 240105, 240107, 240108, 240109, 240111, 240112, 240114, 240116, 240117, 240119, 240121, 240123, 240124, 240125, 240127, 240128, 240129, 240130, 240133, 240134, 240135, 240136, 240137, 240138, 240139, 240140, 240141, 240142, 240143, 240144, 240145, 240146, 240148, 240150, 240152, 240153, 240154, 240156, 240157, 240158, 240160, 240161, 240162, 240163, 240166, 240167, 240170, 240171, 240172, 240173, 240179, 240180, 240183, 240184, 240187, 240192, 240201, 240205, 240206, 240211
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ND	2520	350004, 350011, 350020
ND	2985	350019, 350042
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NY	2335	330090, 330108
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WI	7620	520035, 520044, 520132
WI	8940	520030
WI (NONMSA)		520002, 520003, 520006, 520010, 520011, 520012, 520015, 520016, 520018, 520019, 520024, 520025, 520027, 520028, 520029, 520032, 520033, 520034, 520037, 520039, 520041, 520042, 520047, 520054, 520057, 520060, 520068, 520071, 520074, 520076, 520077, 520081, 520084, 520088, 520090, 520091, 520092, 520095, 520101, 520102, 520104, 520105, 520107, 520109, 520110, 520111, 520112, 520113, 520114, 520116, 520117, 520118, 520120, 520121, 520122, 520124, 520130, 520131, 520134, 520135, 520142, 520144, 520146, 520148, 520149, 520151, 520152, 520154, 520157, 520159, 520161, 520171, 520173, 520178
WV	1480	510022, 510029, 510031, 510040, 510059, 510085
WV	1900	210016, 210025, 210027, 210046, 210054, 510061
WV	3400	180009, 180036, 360007, 510007, 510014, 510055

WV	6020	360147, 360178, 510033, 510058
WV	8080	360083, 360211, 510023, 510076, 510086
WV	9000	360080, 360153, 360154, 510013, 510039, 510050
WV (NONMSA)		510001, 510002, 510004, 510005, 510006, 510008, 510009, 510012, 510015, 510016, 510018, 510020, 510024, 510025, 510026, 510027, 510028, 510030, 510035, 510036, 510038, 510043, 510046, 510047, 510048, 510053, 510060, 510062, 510063, 510065, 510066, 510067, 510068, 510070, 510071, 510072, 510077, 510080, 510081, 510082, 510084, 510087
WY	1350	530012
WY	1580	530001, 530014
WY (NONMSA)		530002, 530003, 530004, 530005, 530006, 530007, 530008, 530009, 530010, 530011, 530015, 530016, 530017, 530018, 530019, 530022, 530023, 530024, 530025, 530026, 530027, 530029, 530031, 530032

ANCHORAGE, AK (0380)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,030	7.2	7.6	0.9	12.1	11.8	0.8	15.0	15.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	54	20.4	22.5	6.5	22.2	24.8	6.3	27.8	27.1	6.2
CONGESTIVE HEART FAILURE	72	12.5	13.2	4.6	22.2	20.9	7.6	27.8	27.0	9.2
PNEUMONIA/INFLUENZA	89	10.1	10.5	3.6	14.6	14.6	4.3	16.9	17.6	5.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	45	2.2	9.5	*	15.6	16.6	*	20.0	21.7	*
TRANSIENT CEREBRAL ISCHEMIA	18	0.0	1.4	*	0.0	3.3	*	0.0	5.3	*
STROKE	79	12.7	17.0	4.7	22.8	22.8	4.7	25.3	26.4	5.0
HIP FRACTURE	52	7.7	5.3	3.8	9.6	9.1	4.1	9.6	12.0	4.9
SEPSIS	20	25.0	20.9	*	35.0	29.0	*	40.0	34.1	*
PROCEDURES:										
ANGIOPLASTY	17	0.0	2.0	*	0.0	2.6	*	0.0	3.3	*
CORONARY ARTERY BYPASS GRAFT	40	12.5	5.9	*	12.5	8.4	*	12.5	9.4	*
INITIAL PACEMAKER INSERTION	15	0.0	2.9	*	6.7	5.8	*	13.3	8.5	*
CAROTID ENDARTERECTOMY	19	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	39	5.1	2.7	*	7.7	5.0	*	7.7	6.8	*
OPEN REDUCTION OF HIP FRACTURE	28	7.1	4.4	*	7.1	7.7	*	7.1	10.2	*
PROSTATECTOMY	89	1.1	0.8	1.0	2.2	1.9	1.5	2.2	3.3	2.1
CHOLECYSTECTOMY	56	3.6	2.5	2.2	3.6	5.1	3.1	5.4	7.4	4.0
HYSTERECTOMY	19	0.0	0.4	*	0.0	1.0	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 9,860

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.10	24.85	0.50	0.97	0.02	3.74	3.86	0.20	0.97	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.59	0.74	0.09	0.70	0.09					
CONGESTIVE HEART FAILURE	1.27	1.39	0.12	0.93	0.08					
PNEUMONIA/INFLUENZA	1.25	1.04	0.10	1.19	0.12					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.66	0.51	0.07	1.31	0.20					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.32	0.06	0.54	0.11					
STROKE	0.69	0.74	0.09	0.91	0.11					
HIP FRACTURE	0.49	0.43	0.07	1.24	0.21					
SEPSIS	0.28	0.30	0.06	0.92	0.20					
PROCEDURES:										
ANGIOPLASTY	0.15	0.28	0.06	0.53	0.12					
CORONARY ARTERY BYPASS GRAFT	0.33	0.39	0.06	0.77	0.14					
INITIAL PACEMAKER INSERTION	0.19	0.16	0.04	1.16	0.40					
CAROTID ENDARTERECTOMY	0.15	0.10	0.03	1.21	0.59					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.31	0.06	1.40	0.30					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.21	0.05	1.29	0.35					
PROSTATECTOMY	0.59	0.62	0.08	1.08	0.15					
CHOLECYSTECTOMY	0.48	0.41	0.06	1.22	0.22					
HYSTERECTOMY	0.21	0.16	0.04	1.56	0.56					

** QUANTITIES COULD NOT BE ESTIMATED

AK-(NONMSA) (99AK)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,062	7.4	8.3	0.9	11.1	12.4	1.1	14.2	15.5	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	64	21.9	24.7	6.1	25.0	27.3	6.8	26.6	29.8	7.1
CONGESTIVE HEART FAILURE	108	11.1	13.3	3.8	19.4	21.5	4.3	25.9	28.0	5.0
PNEUMONIA/INFLUENZA	139	7.9	11.8	5.5	12.2	16.3	6.2	18.0	19.9	6.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	57	12.3	7.1	4.3	15.8	12.7	4.7	17.5	17.2	5.0
TRANSIENT CEREBRAL ISCHEMIA	23	0.0	1.6	*	4.3	3.4	*	4.3	5.4	*
STROKE	66	13.6	17.0	6.9	18.2	22.4	8.5	22.7	26.2	7.8
HIP FRACTURE	46	0.0	4.6	*	4.3	8.4	*	4.3	11.2	*
SEPSIS	17	29.4	33.3	*	41.2	42.7	*	52.9	47.9	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	6	0.0	2.4	*	0.0	4.7	*	0.0	7.0	*
CAROTID ENDARTERECTOMY	1	0.0	7.4	*	0.0	14.2	*	0.0	19.8	*
HIP REPLACEMENT/RECONSTRUCTION	21	0.0	2.7	*	0.0	5.3	*	0.0	7.5	*
OPEN REDUCTION OF HIP FRACTURE	20	0.0	4.6	*	0.0	8.8	*	0.0	11.8	*
PROSTATECTOMY	28	0.0	0.9	*	0.0	2.0	*	0.0	3.6	*
CHOLECYSTECTOMY	29	3.4	4.4	*	6.9	7.1	*	6.9	8.8	*
HYSTERECTOMY	7	0.0	0.7	*	14.3	1.4	*	14.3	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,180

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.42	24.61	0.39	1.12	0.02	4.11	4.06	0.16	1.00	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.80	0.07	1.04	0.11					
CONGESTIVE HEART FAILURE	1.37	1.31	0.09	1.10	0.08					
PNEUMONIA/INFLUENZA	1.39	1.18	0.09	1.17	0.10					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.92	0.48	0.06	1.86	0.26					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.30	0.04	0.78	0.16					
STROKE	0.74	0.75	0.07	1.05	0.11					
HIP FRACTURE	0.49	0.46	0.05	0.96	0.14					
SEPSIS	0.20	0.29	0.04	0.80	0.16					
PROCEDURES:										
ANGIOPLASTY	0.17	0.30	0.05	0.44	0.09					
CORONARY ARTERY BYPASS GRAFT	0.40	0.40	0.05	1.22	0.20					
INITIAL PACEMAKER INSERTION	0.17	0.17	0.03	0.97	0.30					
CAROTID ENDARTERECTOMY	0.14	0.11	0.03	1.18	0.51					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.38	0.05	0.98	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.23	0.04	0.92	0.22					
PROSTATECTOMY	0.77	0.80	0.07	1.03	0.11					
CHOLECYSTECTOMY	0.42	0.43	0.05	0.94	0.15					
HYSTERECTOMY	0.12	0.17	0.03	0.75	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

ANNISTON, AL (0450)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,875	9.1	8.2	0.7	14.1	12.8	0.8	17.1	16.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	130	27.7	22.4	4.8	33.8	25.8	5.3	38.5	28.5	6.0
CONGESTIVE HEART FAILURE	144	19.4	13.1	5.1	26.4	21.0	5.6	34.0	26.9	6.4
PNEUMONIA/INFLUENZA	213	11.7	13.8	3.0	18.3	19.2	3.7	21.1	22.7	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	61	1.6	6.4	4.3	8.2	11.6	4.9	13.1	15.7	5.0
TRANSIENT CEREBRAL ISCHEMIA	75	0.0	1.8	1.8	1.3	4.1	2.6	2.7	6.5	3.6
STROKE	125	18.4	16.2	4.9	25.6	22.4	4.7	30.4	26.1	5.5
HIP FRACTURE	116	12.1	6.4	4.6	16.4	11.0	5.2	18.1	14.0	5.2
SEPSIS	26	15.4	21.4	*	19.2	30.0	*	26.9	35.5	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	26	11.5	3.7	*	15.4	7.6	*	19.2	11.1	*
CAROTID ENDARTERECTOMY	7	0.0	1.4	*	0.0	2.5	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	56	3.6	3.2	2.4	7.1	5.7	3.9	10.7	7.6	5.0
OPEN REDUCTION OF HIP FRACTURE	20	20.0	5.1	*	20.0	9.2	*	20.0	12.0	*
PROSTATECTOMY	139	0.0	1.1	1.4	1.4	2.6	1.7	2.9	4.5	2.2
CHOLECYSTECTOMY	73	1.4	2.2	1.8	6.8	3.9	3.7	6.8	5.2	3.0
HYSTERECTOMY	24	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,914

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.98	32.36	0.42	1.11	0.01	4.98	4.66	0.16	1.07	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.21	0.96	0.07	1.24	0.10					
CONGESTIVE HEART FAILURE	1.63	2.06	0.11	0.79	0.04					
PNEUMONIA/INFLUENZA	1.94	1.55	0.09	1.25	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.73	0.06	0.85	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.57	0.48	0.05	1.19	0.13					
STROKE	0.99	1.05	0.08	0.95	0.07					
HIP FRACTURE	0.56	0.56	0.06	0.99	0.10					
SEPSIS	0.28	0.42	0.05	0.71	0.09					
PROCEDURES:										
ANGIOPLASTY	0.28	0.29	0.04	0.91	0.13					
CORONARY ARTERY BYPASS GRAFT	0.57	0.40	0.05	1.44	0.18					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.03	1.28	0.23					
CAROTID ENDARTERECTOMY	0.11	0.14	0.03	0.97	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.30	0.38	0.05	0.85	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.13	0.27	0.04	0.55	0.08					
PROSTATECTOMY	0.83	0.68	0.06	1.19	0.11					
CHOLECYSTECTOMY	0.55	0.52	0.05	1.08	0.11					
HYSTERECTOMY	0.16	0.18	0.03	0.85	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

BIRMINGHAM, AL (1000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	38,268	8.2	8.1	0.2	12.8	12.4	0.3	15.9	15.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	952	24.3	25.0	1.5	27.6	27.9	1.5	30.6	30.6	1.7
CONGESTIVE HEART FAILURE	1,616	14.4	13.6	1.4	23.1	21.7	1.4	29.0	27.7	1.4
PNEUMONIA/INFLUENZA	1,631	14.0	15.0	1.2	20.2	20.8	1.1	24.0	24.5	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	671	6.0	7.2	1.1	11.3	12.8	1.5	13.7	17.0	1.9
TRANSIENT CEREBRAL ISCHEMIA	535	1.1	1.8	1.0	3.4	4.0	1.5	4.7	6.3	2.0
STROKE	1,239	19.2	20.6	1.7	25.9	27.0	1.6	29.9	30.7	1.8
HIP FRACTURE	697	7.6	6.3	1.7	12.9	10.9	2.5	15.8	14.1	2.6
SEPSIS	407	23.3	23.7	2.3	32.7	32.0	2.9	36.9	36.8	3.2
PROCEDURES:										
ANGIOPLASTY	556	5.0	3.1	1.3	5.8	4.0	1.4	6.5	4.9	1.6
CORONARY ARTERY BYPASS GRAFT	997	5.7	5.8	0.8	8.3	8.1	0.9	9.6	9.2	1.1
INITIAL PACEMAKER INSERTION	335	2.4	3.3	1.5	6.9	6.3	2.5	9.0	9.1	1.7
CAROTID ENDARTERECTOMY	241	0.8	1.5	1.0	1.7	2.8	1.4	2.5	4.1	1.7
HIP REPLACEMENT/RECONSTRUCTION	573	3.7	2.9	1.0	6.6	5.3	1.5	8.2	7.2	1.5
OPEN REDUCTION OF HIP FRACTURE	373	5.6	5.6	1.8	9.4	10.1	2.3	12.3	13.2	2.5
PROSTATECTOMY	888	1.4	1.0	0.5	2.5	2.3	0.5	3.5	3.8	0.8
CHOLECYSTECTOMY	661	2.7	2.2	0.7	5.3	4.1	0.9	6.8	5.6	1.0
HYSTERECTOMY	343	1.2	0.6	0.7	2.3	1.3	1.2	3.5	2.0	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 140,543

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	35.38	31.00	0.15	1.14	0.00	4.93	4.89	0.06	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.87	0.02	1.01	0.03					
CONGESTIVE HEART FAILURE	1.95	2.02	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	1.66	1.40	0.03	1.18	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.77	0.61	0.02	1.26	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.44	0.02	1.12	0.05					
STROKE	1.16	1.05	0.03	1.11	0.03					
HIP FRACTURE	0.63	0.55	0.02	1.13	0.04					
SEPSIS	0.47	0.44	0.02	1.03	0.04					
PROCEDURES:										
ANGIOPLASTY	0.37	0.25	0.01	1.42	0.08					
CORONARY ARTERY BYPASS GRAFT	0.57	0.35	0.02	1.62	0.08					
INITIAL PACEMAKER INSERTION	0.27	0.20	0.01	1.34	0.09					
CAROTID ENDARTERECTOMY	0.15	0.11	0.01	1.24	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.39	0.02	1.16	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.27	0.01	1.16	0.06					
PROSTATECTOMY	0.67	0.69	0.02	0.98	0.03					
CHOLECYSTECTOMY	0.52	0.44	0.02	1.18	0.05					
HYSTERECTOMY	0.21	0.16	0.01	1.32	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBUS, GA-AL (1800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,654	9.6	7.7	0.3	14.4	11.9	0.5	17.8	15.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	198	31.8	24.3	4.2	36.4	27.0	4.4	38.4	29.5	4.7
CONGESTIVE HEART FAILURE	361	18.0	13.1	2.8	25.5	20.9	3.6	31.9	26.8	3.4
PNEUMONIA/INFLUENZA	278	15.1	13.2	2.7	20.9	18.2	3.1	27.7	21.6	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	108	6.5	7.0	3.2	9.3	12.1	5.7	13.0	16.0	6.5
TRANSIENT CEREBRAL ISCHEMIA	76	0.0	1.4	1.8	2.6	3.2	2.2	3.9	5.4	3.0
STROKE	259	20.5	18.7	3.9	29.0	24.4	5.6	33.2	28.0	5.5
HIP FRACTURE	179	6.1	6.1	2.0	12.3	10.8	3.0	14.5	14.0	2.6
SEPSIS	110	33.6	22.6	6.5	43.6	29.9	6.3	44.5	34.5	7.0
PROCEDURES:										
ANGIOPLASTY	52	3.8	2.7	3.2	5.8	3.5	4.2	7.7	4.2	5.2
CORONARY ARTERY BYPASS GRAFT	71	5.6	5.8	3.1	7.0	8.0	3.3	7.0	8.9	3.8
INITIAL PACEMAKER INSERTION	48	0.0	3.0	*	0.0	5.6	*	4.2	8.1	*
CAROTID ENDARTERECTOMY	45	0.0	1.1	*	2.2	2.1	*	2.2	3.2	*
HIP REPLACEMENT/RECONSTRUCTION	184	2.2	2.2	1.4	3.8	4.1	1.6	6.5	5.6	1.9
OPEN REDUCTION OF HIP FRACTURE	103	6.8	5.7	2.8	14.6	10.5	4.6	14.6	13.7	4.6
PROSTATECTOMY	293	0.3	1.0	1.3	2.4	2.3	1.5	4.4	4.0	1.7
CHOLECYSTECTOMY	153	3.3	2.0	1.4	3.9	3.8	1.9	7.2	5.1	2.3
HYSTERECTOMY	46	0.0	0.3	*	0.0	0.7	*	2.2	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 30,553

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.11	32.29	0.32	0.93	0.01	5.51	4.83	0.13	1.14	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.87	0.05	0.89	0.05					
CONGESTIVE HEART FAILURE	1.89	2.14	0.08	0.88	0.03					
PNEUMONIA/INFLUENZA	1.11	1.38	0.07	0.80	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.65	0.05	0.73	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.49	0.04	0.57	0.05					
STROKE	1.06	1.11	0.06	0.96	0.05					
HIP FRACTURE	0.61	0.52	0.04	1.16	0.09					
SEPSIS	0.49	0.48	0.04	1.01	0.09					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.03	0.93	0.11					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.03	0.97	0.09					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.03	0.76	0.10					
CAROTID ENDARTERECTOMY	0.15	0.12	0.02	1.19	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.35	0.03	1.23	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.26	0.03	1.30	0.15					
PROSTATECTOMY	0.87	0.68	0.05	1.28	0.09					
CHOLECYSTECTOMY	0.53	0.45	0.04	1.16	0.10					
HYSTERECTOMY	0.15	0.16	0.02	0.85	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

DECATUR, AL (2030)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,807	9.2	9.5	0.5	13.9	14.2	0.7	16.9	17.6	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	111	35.1	29.4	6.7	43.2	33.0	8.2	46.8	36.3	8.5
CONGESTIVE HEART FAILURE	191	11.0	13.9	3.0	22.5	21.8	3.3	26.7	27.6	3.3
PNEUMONIA/INFLUENZA	311	14.1	15.1	2.9	18.0	20.5	3.2	20.6	23.9	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	81	8.6	8.0	3.6	12.3	13.9	4.9	21.0	18.3	5.6
TRANSIENT CEREBRAL ISCHEMIA	57	1.8	1.7	3.1	8.8	3.9	5.3	12.3	6.3	6.3
STROKE	132	16.7	19.4	4.8	24.2	25.9	4.1	27.3	29.8	4.7
HIP FRACTURE	77	9.1	6.8	4.2	15.6	12.0	6.8	22.1	15.4	7.4
SEPSIS	43	27.9	25.8	*	34.9	34.0	*	39.5	38.5	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	11	0.0	4.0	*	9.1	7.5	*	9.1	10.4	*
CAROTID ENDARTERECTOMY	30	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	48	4.2	3.9	*	8.3	7.1	*	12.5	9.4	*
OPEN REDUCTION OF HIP FRACTURE	34	11.8	6.2	*	14.7	11.5	*	23.5	15.2	*
PROSTATECTOMY	51	0.0	1.1	2.8	2.0	2.2	2.4	2.0	3.6	3.3
CHOLECYSTECTOMY	93	1.1	2.5	2.0	4.3	4.8	2.5	4.3	6.5	3.1
HYSTERECTOMY	18	0.0	0.6	*	0.0	1.0	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

DOTHAN, AL (2180)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,894	7.1	8.3	0.3	10.8	12.8	0.5	13.8	16.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	236	23.7	25.9	3.3	27.1	28.8	3.2	28.4	31.6	3.8
CONGESTIVE HEART FAILURE	366	12.0	13.1	2.1	20.2	21.5	2.5	25.4	27.7	3.3
PNEUMONIA/INFLUENZA	323	9.6	14.6	2.6	13.6	20.2	3.2	17.0	23.7	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	160	5.6	6.9	2.4	10.0	12.7	3.7	15.0	17.4	4.9
TRANSIENT CEREBRAL ISCHEMIA	129	0.8	1.9	1.8	4.7	4.1	3.3	6.2	6.5	3.2
STROKE	267	18.0	18.6	2.4	22.5	24.6	3.2	25.5	28.3	3.3
HIP FRACTURE	196	6.1	6.5	2.9	8.2	11.3	4.1	10.7	14.7	4.3
SEPSIS	65	18.5	20.3	7.9	26.2	26.8	6.3	29.2	30.8	6.5
PROCEDURES:										
ANGIOPLASTY	111	3.6	4.8	2.6	4.5	5.7	2.6	6.3	6.6	2.4
CORONARY ARTERY BYPASS GRAFT	69	10.1	6.3	5.2	14.5	8.8	5.8	14.5	9.8	6.0
INITIAL PACEMAKER INSERTION	68	1.5	2.9	3.3	2.9	5.6	5.1	4.4	8.4	6.4
CAROTID ENDARTERECTOMY	31	3.2	1.7	*	6.5	3.2	*	6.5	4.6	*
HIP REPLACEMENT/RECONSTRUCTION	117	4.3	2.8	2.0	5.1	5.2	2.1	6.0	7.1	2.7
OPEN REDUCTION OF HIP FRACTURE	136	5.9	5.9	2.6	8.1	10.5	4.7	9.6	13.8	5.7
PROSTATECTOMY	217	1.4	1.4	0.9	3.2	3.2	1.8	5.1	5.4	2.8
CHOLECYSTECTOMY	148	2.0	3.0	1.8	2.7	5.2	2.6	3.4	6.8	3.2
HYSTERECTOMY	38	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,123

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	39.46	31.09	0.43	1.27	0.02	4.16	4.78	0.17	0.87	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.92	0.07	0.94	0.08					
CONGESTIVE HEART FAILURE	2.17	1.98	0.11	1.09	0.06					
PNEUMONIA/INFLUENZA	1.66	1.44	0.09	1.16	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.92	0.63	0.06	1.46	0.14					
TRANSIENT CEREBRAL ISCHEMIA	0.64	0.44	0.05	1.40	0.17					
STROKE	1.05	1.04	0.08	1.00	0.08					
HIP FRACTURE	0.64	0.56	0.06	1.11	0.12					
SEPSIS	0.39	0.43	0.05	0.88	0.11					
PROCEDURES:										
ANGIOPLASTY	0.43	0.27	0.04	1.65	0.26					
CORONARY ARTERY BYPASS GRAFT	0.33	0.38	0.05	0.74	0.10					
INITIAL PACEMAKER INSERTION	0.25	0.21	0.03	1.22	0.23					
CAROTID ENDARTERECTOMY	0.13	0.12	0.03	1.10	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.38	0.05	1.05	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.46	0.28	0.04	1.61	0.25					
PROSTATECTOMY	0.75	0.72	0.06	1.03	0.09					
CHOLECYSTECTOMY	0.59	0.47	0.05	1.25	0.15					
HYSTERECTOMY	0.15	0.17	0.03	1.10	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

FLORENCE, AL (2650)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,836	8.0	8.5	0.4	12.1	13.1	0.5	14.8	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	168	22.0	23.4	4.4	23.8	26.3	4.8	25.0	28.9	5.3
CONGESTIVE HEART FAILURE	233	10.7	13.1	4.2	19.7	21.0	4.6	24.5	26.7	4.3
PNEUMONIA/INFLUENZA	232	14.7	14.5	3.2	18.1	20.1	3.5	20.7	23.6	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	132	5.3	6.5	3.1	12.9	11.5	3.4	15.9	15.5	4.1
TRANSIENT CEREBRAL ISCHEMIA	102	2.0	1.8	1.7	4.9	4.0	2.7	7.8	6.2	3.3
STROKE	210	16.7	17.8	2.7	21.4	23.8	3.2	23.8	27.5	3.5
HIP FRACTURE	154	7.8	6.8	2.5	11.7	11.9	2.8	13.6	15.3	3.3
SEPSIS	77	24.7	25.8	7.1	35.1	34.3	5.5	37.7	38.8	5.7
PROCEDURES:										
ANGIOPLASTY	70	0.0	3.4	*	0.0	4.6	*	0.0	5.8	*
CORONARY ARTERY BYPASS GRAFT	34	14.7	9.2	*	20.6	13.1	*	23.5	14.5	*
INITIAL PACEMAKER INSERTION	21	4.8	2.5	*	9.5	5.3	*	14.3	8.1	*
CAROTID ENDARTERECTOMY	25	4.0	1.6	*	4.0	3.0	*	4.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	91	4.4	4.0	2.1	5.5	7.2	2.9	5.5	9.4	3.7
OPEN REDUCTION OF HIP FRACTURE	81	7.4	6.4	2.8	12.3	11.7	3.6	16.0	15.4	4.6
PROSTATECTOMY	152	0.7	0.9	0.9	3.3	2.2	1.6	3.3	3.7	1.6
CHOLECYSTECTOMY	85	3.5	2.6	2.1	3.5	4.7	2.9	4.7	6.3	4.0
HYSTERECTOMY	29	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 22,444

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	37.74	31.91	0.38	1.18	0.01	4.60	4.69	0.14	0.98	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	1.00	0.07	1.01	0.07					
CONGESTIVE HEART FAILURE	1.77	1.99	0.09	0.89	0.04					
PNEUMONIA/INFLUENZA	1.47	1.61	0.08	0.91	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.00	0.74	0.06	1.33	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.60	0.47	0.05	1.28	0.13					
STROKE	1.26	1.03	0.07	1.21	0.08					
HIP FRACTURE	0.73	0.58	0.05	1.23	0.11					
SEPSIS	0.53	0.41	0.04	1.28	0.14					
PROCEDURES:										
ANGIOPLASTY	0.45	0.30	0.04	1.42	0.18					
CORONARY ARTERY BYPASS GRAFT	0.46	0.41	0.04	1.09	0.11					
INITIAL PACEMAKER INSERTION	0.15	0.21	0.03	0.66	0.10					
CAROTID ENDARTERECTOMY	0.20	0.15	0.03	1.33	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.41	0.04	1.09	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.28	0.04	1.29	0.17					
PROSTATECTOMY	0.69	0.74	0.06	0.93	0.07					
CHOLECYSTECTOMY	0.49	0.53	0.05	0.93	0.09					
HYSTERECTOMY	0.16	0.18	0.03	0.94	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

GADSDEN, AL (2880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,707	8.2	8.5	0.5	12.6	12.8	0.6	15.3	15.9	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	139	27.3	26.2	6.9	33.1	28.8	6.3	34.5	31.4	5.4
CONGESTIVE HEART FAILURE	258	20.5	13.9	3.4	28.3	22.1	3.8	33.7	28.3	3.7
PNEUMONIA/INFLUENZA	336	16.4	15.8	2.6	23.5	21.6	3.3	26.8	25.4	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	6.9	7.0	3.1	15.3	12.7	4.9	25.0	17.0	7.0
TRANSIENT CEREBRAL ISCHEMIA	108	1.9	1.9	1.5	2.8	4.0	2.6	3.7	6.3	4.1
STROKE	175	20.0	19.5	4.1	24.6	25.6	4.1	28.6	29.1	3.5
HIP FRACTURE	103	1.9	6.2	4.4	5.8	10.7	5.9	8.7	13.9	5.9
SEPSIS	37	24.3	26.9	*	37.8	35.8	*	43.2	41.1	*
PROCEDURES:										
ANGIOPLASTY	30	0.0	3.7	*	0.0	4.7	*	0.0	5.6	*
CORONARY ARTERY BYPASS GRAFT	30	0.0	4.9	*	6.7	6.9	*	13.3	7.9	*
INITIAL PACEMAKER INSERTION	76	2.6	3.1	2.3	5.3	6.1	3.5	7.9	8.9	4.1
CAROTID ENDARTERECTOMY	9	0.0	1.1	*	11.1	1.9	*	11.1	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	61	3.3	3.5	2.5	6.6	6.2	3.1	8.2	8.2	3.5
OPEN REDUCTION OF HIP FRACTURE	70	0.0	5.4	4.3	2.9	9.6	5.8	5.7	12.7	6.0
PROSTATECTOMY	129	0.0	1.1	1.3	0.0	2.6	2.6	3.1	4.5	2.2
CHOLECYSTECTOMY	115	1.7	2.3	1.5	3.5	4.6	2.8	4.3	6.2	3.4
HYSTERECTOMY	39	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,456

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	37.80	32.32	0.42	1.17	0.01	4.82	4.63	0.16	1.04	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.99	0.07	1.04	0.08					
CONGESTIVE HEART FAILURE	2.25	2.04	0.10	1.10	0.06					
PNEUMONIA/INFLUENZA	2.69	1.58	0.09	1.69	0.10					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.85	0.75	0.06	1.13	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.68	0.49	0.05	1.37	0.15					
STROKE	1.20	1.04	0.07	1.16	0.08					
HIP FRACTURE	0.68	0.58	0.06	1.18	0.11					
SEPSIS	0.29	0.41	0.05	0.71	0.08					
PROCEDURES:										
ANGIOPLASTY	0.30	0.30	0.04	0.98	0.13					
CORONARY ARTERY BYPASS GRAFT	0.68	0.42	0.05	1.65	0.19					
INITIAL PACEMAKER INSERTION	0.40	0.21	0.03	1.93	0.32					
CAROTID ENDARTERECTOMY	0.16	0.15	0.03	0.97	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.40	0.05	1.10	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.46	0.27	0.04	1.69	0.24					
PROSTATECTOMY	0.77	0.71	0.06	1.09	0.10					
CHOLECYSTECTOMY	0.72	0.54	0.05	1.36	0.14					
HYSTERECTOMY	0.24	0.18	0.03	1.29	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

MONTGOMERY, AL (5240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,781	8.9	8.9	0.3	13.4	13.6	0.4	16.8	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	228	25.9	24.8	3.0	29.8	27.8	3.7	31.6	30.6	3.3
CONGESTIVE HEART FAILURE	431	12.3	13.9	1.9	18.3	22.4	2.8	25.5	28.5	3.2
PNEUMONIA/INFLUENZA	372	17.5	15.3	3.7	23.1	21.0	3.1	26.1	24.7	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	215	9.3	8.3	2.3	14.4	14.4	2.6	17.2	18.9	3.1
TRANSIENT CEREBRAL ISCHEMIA	185	3.2	2.1	1.5	4.9	4.4	2.8	7.6	6.8	4.1
STROKE	339	23.3	20.4	4.4	29.2	26.5	4.1	33.3	30.1	4.1
HIP FRACTURE	198	6.6	6.6	2.3	12.1	11.5	2.5	16.2	14.9	3.6
SEPSIS	155	35.5	25.2	4.7	43.2	33.1	4.7	47.1	37.9	5.1
PROCEDURES:										
ANGIOPLASTY	138	2.9	4.0	2.2	3.6	5.0	2.4	5.8	6.0	2.3
CORONARY ARTERY BYPASS GRAFT	98	11.2	5.8	3.2	11.2	8.5	3.2	11.2	9.7	3.4
INITIAL PACEMAKER INSERTION	66	3.0	2.7	2.2	3.0	5.7	3.7	4.5	8.5	5.1
CAROTID ENDARTERECTOMY	67	1.5	1.5	1.5	1.5	2.8	2.2	1.5	4.2	3.1
HIP REPLACEMENT/RECONSTRUCTION	150	4.7	3.6	2.0	6.7	6.6	2.3	10.0	8.8	2.8
OPEN REDUCTION OF HIP FRACTURE	105	4.8	6.0	2.5	12.4	10.8	3.4	15.2	14.3	4.5
PROSTATECTOMY	285	0.4	1.1	0.7	0.7	2.5	1.3	1.8	4.4	1.8
CHOLECYSTECTOMY	121	2.5	1.9	1.5	3.3	3.6	1.7	4.1	4.9	2.1
HYSTERECTOMY	59	0.0	0.3	0.9	0.0	0.9	1.9	0.0	1.5	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 39,226

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.57	31.72	0.28	1.00	0.01	4.94	5.16	0.11	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.84	0.05	0.90	0.05					
CONGESTIVE HEART FAILURE	1.71	2.10	0.07	0.82	0.03					
PNEUMONIA/INFLUENZA	1.21	1.38	0.06	0.88	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.77	0.57	0.04	1.34	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.43	0.03	1.22	0.09					
STROKE	1.05	1.12	0.05	0.93	0.04					
HIP FRACTURE	0.51	0.57	0.04	0.91	0.06					
SEPSIS	0.53	0.50	0.04	1.04	0.07					
PROCEDURES:										
ANGIOPLASTY	0.48	0.26	0.03	1.81	0.18					
CORONARY ARTERY BYPASS GRAFT	0.37	0.34	0.03	1.11	0.10					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.02	0.92	0.10					
CAROTID ENDARTERECTOMY	0.17	0.11	0.02	1.50	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.37	0.03	1.12	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.03	0.91	0.09					
PROSTATECTOMY	0.64	0.67	0.04	0.95	0.06					
CHOLECYSTECTOMY	0.32	0.42	0.03	0.78	0.06					
HYSTERECTOMY	0.16	0.16	0.02	1.05	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

TUSCALOOSA, AL (8600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,721	7.0	8.8	0.5	12.1	13.6	0.5	15.6	17.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	139	23.0	26.7	4.3	33.1	29.5	4.0	34.5	32.0	4.2
CONGESTIVE HEART FAILURE	251	10.0	14.7	4.5	19.9	23.3	4.2	27.9	29.5	3.6
PNEUMONIA/INFLUENZA	242	12.8	15.1	3.3	17.8	20.9	3.9	20.7	24.6	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	88	5.7	7.8	3.3	11.4	13.7	5.2	14.8	18.1	6.2
TRANSIENT CEREBRAL ISCHEMIA	123	0.0	1.4	1.6	0.8	3.2	2.5	4.9	5.2	2.2
STROKE	182	18.1	20.2	3.3	28.0	27.3	3.7	31.9	31.1	3.6
HIP FRACTURE	142	4.9	6.5	2.2	11.3	11.8	2.8	14.1	15.6	3.2
SEPSIS	74	33.8	30.8	7.5	41.9	40.3	5.9	47.3	45.4	6.2
PROCEDURES:										
ANGIOPLASTY	77	1.3	4.3	4.1	2.6	5.0	4.1	2.6	5.9	4.0
CORONARY ARTERY BYPASS GRAFT	78	9.0	6.6	4.3	12.8	9.0	5.8	12.8	10.0	6.3
INITIAL PACEMAKER INSERTION	20	5.0	2.2	*	10.0	4.6	*	15.0	7.1	*
CAROTID ENDARTERECTOMY	24	4.2	1.9	*	4.2	3.4	*	8.3	4.8	*
HIP REPLACEMENT/RECONSTRUCTION	107	5.6	4.8	2.3	7.5	8.8	3.1	11.2	11.6	3.2
OPEN REDUCTION OF HIP FRACTURE	47	0.0	5.0	*	12.8	9.4	*	12.8	12.9	*
PROSTATECTOMY	141	1.4	1.3	1.0	3.5	3.1	1.5	5.7	5.2	1.9
CHOLECYSTECTOMY	100	0.0	2.5	2.6	5.0	4.7	2.3	6.0	6.4	2.5
HYSTERECTOMY	30	0.0	0.8	*	0.0	1.7	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,434

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.30	31.93	0.40	1.04	0.01	4.69	5.02	0.16	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.87	0.07	0.77	0.06					
CONGESTIVE HEART FAILURE	1.69	2.06	0.10	0.82	0.04					
PNEUMONIA/INFLUENZA	1.56	1.54	0.09	1.03	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.67	0.06	0.95	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.67	0.43	0.05	1.53	0.17					
STROKE	0.97	1.08	0.07	0.92	0.06					
HIP FRACTURE	0.54	0.55	0.05	0.98	0.10					
SEPSIS	0.50	0.47	0.05	1.05	0.11					
PROCEDURES:										
ANGIOPLASTY	0.36	0.26	0.04	1.29	0.19					
CORONARY ARTERY BYPASS GRAFT	0.42	0.35	0.04	1.21	0.15					
INITIAL PACEMAKER INSERTION	0.09	0.20	0.03	0.41	0.07					
CAROTID ENDARTERECTOMY	0.13	0.11	0.03	1.32	0.31					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.36	0.04	1.26	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.18	0.27	0.04	0.70	0.10					
PROSTATECTOMY	0.62	0.68	0.06	0.90	0.08					
CHOLECYSTECTOMY	0.44	0.44	0.05	1.03	0.12					
HYSTERECTOMY	0.13	0.16	0.03	0.83	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

AL-(NONMSA) (99AL)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,696	9.3	9.2	0.2	13.5	13.9	0.2	16.7	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	792	32.2	28.7	1.8	35.7	32.0	1.9	39.4	34.9	2.2
CONGESTIVE HEART FAILURE	1,771	15.0	13.9	0.9	21.9	22.2	1.0	27.1	28.2	1.2
PNEUMONIA/INFLUENZA	2,226	14.0	15.5	1.3	19.6	21.1	1.6	23.9	24.8	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	855	5.5	7.1	1.1	8.8	12.6	1.2	11.8	16.9	1.4
TRANSIENT CEREBRAL ISCHEMIA	659	2.7	1.8	1.1	5.3	4.1	1.4	7.4	6.7	1.4
STROKE	1,248	22.0	20.7	2.3	29.2	27.1	2.2	33.9	30.9	2.6
HIP FRACTURE	498	7.8	6.2	2.0	12.7	10.8	2.1	15.1	14.1	2.1
SEPSIS	439	27.8	25.9	2.7	35.3	33.3	2.7	39.0	37.8	2.6
PROCEDURES:										
ANGIOPLASTY	68	4.4	3.8	2.4	4.4	4.8	2.9	5.9	5.8	3.1
CORONARY ARTERY BYPASS GRAFT	80	1.2	6.1	4.2	6.3	8.3	4.7	6.3	9.4	4.5
INITIAL PACEMAKER INSERTION	103	6.8	4.1	3.1	8.7	8.0	3.1	8.7	11.6	4.0
CAROTID ENDARTERECTOMY	58	0.0	1.5	2.2	1.7	2.8	2.9	3.4	4.1	3.2
HIP REPLACEMENT/RECONSTRUCTION	255	3.9	4.1	1.4	7.5	7.5	1.7	9.4	10.1	2.1
OPEN REDUCTION OF HIP FRACTURE	254	7.5	5.6	3.0	11.4	10.0	3.2	14.2	13.2	3.4
PROSTATECTOMY	513	0.8	1.0	0.8	2.5	2.3	0.8	4.9	3.9	1.2
CHOLECYSTECTOMY	543	2.6	2.3	0.8	4.1	4.1	1.3	4.4	5.4	1.3
HYSTERECTOMY	183	0.0	0.5	0.6	1.1	1.1	0.9	1.6	1.7	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 238,969

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	38.15	33.21	0.12	1.15	0.00	4.91	4.96	0.05	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.06	0.97	0.02	1.09	0.02					
CONGESTIVE HEART FAILURE	2.15	2.09	0.03	1.03	0.01					
PNEUMONIA/INFLUENZA	2.02	1.73	0.03	1.17	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.95	0.71	0.02	1.29	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.60	0.46	0.01	1.27	0.04					
STROKE	1.24	1.13	0.02	1.10	0.02					
HIP FRACTURE	0.59	0.59	0.02	1.02	0.03					
SEPSIS	0.47	0.44	0.01	1.04	0.03					
PROCEDURES:										
ANGIOPLASTY	0.36	0.26	0.01	1.33	0.06					
CORONARY ARTERY BYPASS GRAFT	0.44	0.37	0.01	1.23	0.04					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.01	1.07	0.05					
CAROTID ENDARTERECTOMY	0.16	0.12	0.01	1.33	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.40	0.01	1.00	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.01	1.05	0.04					
PROSTATECTOMY	0.68	0.74	0.02	0.92	0.02					
CHOLECYSTECTOMY	0.57	0.51	0.01	1.13	0.03					
HYSTERECTOMY	0.19	0.17	0.01	1.06	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

FAYETTEVILLE-SPRINGDALE, AR (2580)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,384	7.8	7.6	0.8	11.9	11.5	0.7	14.8	14.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	160	22.5	24.5	3.6	25.6	27.5	3.9	28.1	29.9	4.6
CONGESTIVE HEART FAILURE	140	16.4	14.0	5.7	26.4	22.1	7.4	32.1	28.2	7.1
PNEUMONIA/INFLUENZA	213	13.6	12.4	3.4	19.2	17.4	3.2	21.1	20.8	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	92	4.3	6.5	2.8	7.6	11.7	4.1	12.0	15.8	4.4
TRANSIENT CEREBRAL ISCHEMIA	52	0.0	1.5	2.1	0.0	3.3	3.7	1.9	5.4	4.1
STROKE	127	18.9	19.8	3.8	24.4	25.7	4.0	26.0	29.2	4.5
HIP FRACTURE	133	9.8	5.4	2.8	15.0	9.8	3.6	16.5	13.0	3.5
SEPSIS	21	23.8	23.1	*	28.6	31.1	*	42.9	36.7	*
PROCEDURES:										
ANGIOPLASTY	55	1.8	4.2	3.4	3.6	5.2	3.6	3.6	6.2	4.0
CORONARY ARTERY BYPASS GRAFT	106	5.7	6.4	2.5	7.5	8.8	3.1	7.5	9.7	3.4
INITIAL PACEMAKER INSERTION	53	1.9	3.0	2.6	5.7	5.8	3.2	9.4	8.2	4.5
CAROTID ENDARTERECTOMY	38	2.6	1.2	*	2.6	2.1	*	5.3	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	87	3.4	2.7	3.5	6.9	5.1	4.4	8.0	7.0	4.7
OPEN REDUCTION OF HIP FRACTURE	62	9.7	4.8	5.0	16.1	8.9	6.9	16.1	12.0	6.9
PROSTATECTOMY	110	0.0	0.8	1.1	0.9	1.8	1.7	3.6	3.0	1.7
CHOLECYSTECTOMY	101	4.0	2.8	2.1	5.9	5.0	3.0	7.9	6.5	3.3
HYSTERECTOMY	24	0.0	0.6	*	4.2	1.3	*	4.2	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,015

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.85	28.98	0.44	1.03	0.02	4.39	4.58	0.17	0.96	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.01	0.95	0.08	1.09	0.09					
CONGESTIVE HEART FAILURE	1.44	1.72	0.11	0.84	0.05					
PNEUMONIA/INFLUENZA	1.85	1.49	0.10	1.26	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.81	0.63	0.07	1.33	0.14					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.39	0.05	0.83	0.11					
STROKE	0.82	0.90	0.08	0.90	0.08					
HIP FRACTURE	0.73	0.61	0.06	1.21	0.13					
SEPSIS	0.25	0.34	0.05	0.74	0.11					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.04	0.97	0.15					
CORONARY ARTERY BYPASS GRAFT	0.31	0.39	0.05	0.88	0.12					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.04	1.23	0.25					
CAROTID ENDARTERECTOMY	0.09	0.13	0.03	0.69	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.45	0.05	1.14	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.28	0.04	1.12	0.18					
PROSTATECTOMY	0.67	0.72	0.07	1.00	0.10					
CHOLECYSTECTOMY	0.60	0.50	0.06	1.21	0.14					
HYSTERECTOMY	0.13	0.18	0.03	0.54	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

FORT SMITH, AR (2720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES................................	9,190	8.3	8.6	0.4	12.6	13.0	0.4	16.0	16.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	333	27.6	27.4	3.0	32.7	30.2	3.5	35.1	32.9	4.0
CONGESTIVE HEART FAILURE...................	434	16.6	14.6	2.8	24.4	23.1	2.6	30.2	29.2	3.2
PNEUMONIA/INFLUENZA........................	438	13.5	15.0	2.9	19.2	20.6	3.0	21.9	24.4	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS........	93	9.7	8.3	3.1	16.1	14.9	4.8	21.5	19.6	4.8
TRANSIENT CEREBRAL ISCHEMIA................	125	0.0	1.6	1.9	1.6	3.7	2.8	2.4	5.9	3.8
STROKE.....................................	307	19.9	17.8	2.8	25.4	23.9	2.6	30.9	27.5	3.5
HIP FRACTURE...............................	290	5.5	6.1	2.1	10.3	10.9	3.0	12.8	14.3	3.6
SEPSIS.....................................	49	26.5	32.3	*	34.7	41.4	*	42.9	46.3	*
PROCEDURES:										
ANGIOPLASTY................................	52	1.9	2.6	3.0	1.9	3.5	3.3	1.9	4.5	3.7
CORONARY ARTERY BYPASS GRAFT...............	122	7.4	5.5	2.8	7.4	7.5	2.5	7.4	8.4	2.8
INITIAL PACEMAKER INSERTION.................	99	4.0	3.6	2.7	10.1	6.6	4.2	15.2	9.4	5.6
CAROTID ENDARTERECTOMY......................	53	0.0	1.4	2.1	1.9	2.7	2.3	1.9	4.0	3.3
HIP REPLACEMENT/RECONSTRUCTION.............	189	3.2	3.7	1.5	7.4	6.8	1.9	10.6	9.2	2.5
OPEN REDUCTION OF HIP FRACTURE.............	142	4.9	5.7	2.4	9.2	10.4	3.7	11.3	13.8	4.9
PROSTATECTOMY..............................	499	0.0	1.1	1.1	0.8	2.4	1.6	1.6	4.0	2.4
CHOLECYSTECTOMY............................	210	2.4	2.3	1.4	4.8	4.3	1.8	7.1	6.0	2.4
HYSTERECTOMY...............................	78	1.3	0.4	1.1	2.6	0.9	1.8	2.6	1.5	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 28,204

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES....................................	35.87	31.29	0.33	1.15	0.01	5.08	4.72	0.13	1.08	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION..................	1.38	1.02	0.06	1.34	0.08					
CONGESTIVE HEART FAILURE.....................	2.19	1.89	0.08	1.16	0.05					
PNEUMONIA/INFLUENZA..........................	1.86	1.71	0.08	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.45	0.73	0.05	0.67	0.05					
TRANSIENT CEREBRAL ISCHEMIA..................	0.45	0.44	0.04	0.95	0.09					
STROKE.......................................	1.21	0.98	0.06	1.21	0.07					
HIP FRACTURE.................................	0.83	0.64	0.05	1.28	0.10					
SEPSIS.......................................	0.27	0.36	0.04	0.75	0.08					
PROCEDURES:										
ANGIOPLASTY..................................	0.20	0.30	0.03	0.57	0.07					
CORONARY ARTERY BYPASS GRAFT.................	0.45	0.41	0.04	1.10	0.11					
INITIAL PACEMAKER INSERTION..................	0.28	0.20	0.03	1.43	0.21					
CAROTID ENDARTERECTOMY.......................	0.15	0.15	0.02	0.98	0.17					
HIP REPLACEMENT/RECONSTRUCTION...............	0.51	0.45	0.04	1.09	0.10					
OPEN REDUCTION OF HIP FRACTURE...............	0.40	0.29	0.03	1.34	0.16					
PROSTATECTOMY................................	1.34	0.75	0.05	1.76	0.13					
CHOLECYSTECTOMY..............................	0.65	0.54	0.04	1.21	0.10					
HYSTERECTOMY.................................	0.18	0.19	0.03	0.79	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

LITTLE ROCK-N. LITTLE ROCK, AR (4400)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	20,909	7.3	7.0	0.2	12.0	11.2	0.3	15.2	14.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	462	29.0	24.2	3.3	32.7	27.0	3.4	33.8	29.6	3.2
CONGESTIVE HEART FAILURE	752	15.0	13.0	1.7	25.1	20.8	2.4	31.4	26.8	2.6
PNEUMONIA/INFLUENZA	672	15.5	14.8	2.6	22.9	20.5	3.2	26.5	24.2	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	204	6.9	6.0	1.7	14.2	11.0	2.7	20.6	14.9	3.7
TRANSIENT CEREBRAL ISCHEMIA	313	2.2	1.5	1.2	3.5	3.3	1.2	5.1	5.3	1.3
STROKE	587	16.0	18.1	2.1	25.2	24.3	2.0	29.5	28.1	2.2
HIP FRACTURE	515	8.3	5.7	1.6	11.7	10.2	1.8	15.3	13.4	1.9
SEPSIS	209	30.1	22.5	4.3	40.7	31.4	5.1	45.9	36.5	5.2
PROCEDURES:										
ANGIOPLASTY	249	3.6	2.3	1.2	4.4	3.1	1.3	5.6	3.9	1.6
CORONARY ARTERY BYPASS GRAFT	716	4.7	5.2	1.1	7.3	7.3	1.3	8.2	8.3	1.3
INITIAL PACEMAKER INSERTION	186	1.6	2.2	1.6	3.8	4.5	2.8	4.8	6.7	3.4
CAROTID ENDARTERECTOMY	164	0.6	1.2	1.3	2.4	2.4	2.0	3.0	3.6	2.0
HIP REPLACEMENT/RECONSTRUCTION	411	4.1	2.5	1.8	5.6	4.7	2.2	7.3	6.5	2.3
OPEN REDUCTION OF HIP FRACTURE	243	8.2	5.3	2.8	11.5	9.8	2.9	14.8	13.1	3.0
PROSTATECTOMY	543	0.7	0.9	0.5	1.3	2.2	1.0	2.8	3.7	1.1
CHOLECYSTECTOMY	472	3.8	1.9	1.3	5.3	3.5	1.5	6.6	4.8	1.6
HYSTERECTOMY	193	0.5	0.5	0.7	0.5	1.2	0.9	0.5	1.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 68,216

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.73	29.86	0.21	1.13	0.01	4.88	4.74	0.08	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.87	0.04	0.88	0.04					
CONGESTIVE HEART FAILURE	1.68	1.87	0.05	0.89	0.02					
PNEUMONIA/INFLUENZA	1.39	1.38	0.04	1.01	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.35	0.60	0.03	0.58	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.41	0.02	1.14	0.07					
STROKE	1.00	0.99	0.04	1.00	0.04					
HIP FRACTURE	0.77	0.58	0.03	1.33	0.07					
SEPSIS	0.47	0.40	0.02	1.18	0.07					
PROCEDURES:										
ANGIOPLASTY	0.30	0.28	0.02	1.07	0.08					
CORONARY ARTERY BYPASS GRAFT	0.69	0.37	0.02	1.82	0.12					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.02	1.01	0.09					
CAROTID ENDARTERECTOMY	0.14	0.12	0.01	1.08	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.40	0.02	1.27	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.28	0.02	1.23	0.09					
PROSTATECTOMY	0.73	0.69	0.03	1.06	0.05					
CHOLECYSTECTOMY	0.63	0.45	0.03	1.42	0.08					
HYSTERECTOMY	0.20	0.17	0.02	1.14	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

MEMPHIS, TN-AR-MS (4920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,421	8.1	9.0	0.2	13.4	13.8	0.5	16.8	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	742	22.6	27.2	2.0	27.2	30.2	1.9	31.0	32.7	2.2
CONGESTIVE HEART FAILURE	1,556	13.0	13.4	1.0	22.9	21.3	1.2	29.1	27.2	1.4
PNEUMONIA/INFLUENZA	901	16.6	15.7	1.5	22.5	21.4	1.7	25.7	25.1	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	534	7.9	7.6	2.4	12.9	13.6	2.8	16.7	17.9	3.0
TRANSIENT CEREBRAL ISCHEMIA	521	2.3	1.6	1.1	4.4	3.6	1.8	6.7	5.7	2.0
STROKE	1,212	16.3	19.7	1.6	22.9	26.0	1.8	27.1	29.6	2.4
HIP FRACTURE	624	5.8	6.8	1.3	11.7	11.9	1.6	15.1	15.4	1.5
SEPSIS	608	32.6	29.1	2.4	41.8	36.9	2.9	46.4	41.5	2.9
PROCEDURES:										
ANGIOPLASTY	381	2.4	3.5	1.1	3.9	4.4	1.1	6.0	5.3	1.2
CORONARY ARTERY BYPASS GRAFT	834	6.5	6.1	1.1	9.7	8.5	1.2	11.4	9.6	1.2
INITIAL PACEMAKER INSERTION	356	3.1	3.8	1.7	6.7	7.3	2.5	9.3	10.4	2.4
CAROTID ENDARTERECTOMY	187	1.6	1.6	1.0	1.6	2.9	1.6	4.3	4.2	1.5
HIP REPLACEMENT/RECONSTRUCTION	406	2.5	3.3	1.3	5.7	6.1	1.4	7.4	8.3	1.6
OPEN REDUCTION OF HIP FRACTURE	249	3.2	6.4	2.4	8.0	11.5	3.4	11.2	15.1	3.6
PROSTATECTOMY	1,004	1.1	1.2	0.3	3.1	2.8	0.5	5.6	4.7	0.8
CHOLECYSTECTOMY	533	1.5	2.9	1.0	4.3	5.1	1.3	5.4	6.5	1.5
HYSTERECTOMY	222	0.0	0.6	0.6	2.3	1.4	1.8	3.2	2.3	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 117,521

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.12	30.46	0.16	1.02	0.00	5.18	4.89	0.06	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.65	0.80	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE	1.93	2.01	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	1.04	1.29	0.03	0.81	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.54	0.02	1.16	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.42	0.02	1.11	0.05					
STROKE	1.10	1.07	0.03	1.03	0.03					
HIP FRACTURE	0.57	0.52	0.02	1.09	0.04					
SEPSIS	0.71	0.46	0.02	1.55	0.07					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.26	0.08					
CORONARY ARTERY BYPASS GRAFT	0.53	0.31	0.02	1.70	0.09					
INITIAL PACEMAKER INSERTION	0.30	0.19	0.01	1.54	0.11					
CAROTID ENDARTERECTOMY	0.11	0.09	0.01	1.27	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.36	0.02	0.87	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.25	0.01	0.90	0.05					
PROSTATECTOMY	0.76	0.67	0.02	1.14	0.04					
CHOLECYSTECTOMY	0.42	0.39	0.02	1.06	0.05					
HYSTERECTOMY	0.17	0.16	0.01	1.06	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

PINE BLUFF, AR (6240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,536	9.0	9.0	0.5	14.7	13.8	0.8	18.1	17.2	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	96	24.0	28.1	7.4	28.1	31.0	7.0	32.3	33.6	6.3
CONGESTIVE HEART FAILURE	186	14.0	14.2	2.6	19.9	22.4	3.7	26.3	28.3	3.8
PNEUMONIA/INFLUENZA	164	19.5	16.7	4.2	28.0	22.9	5.0	30.5	27.0	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	33	6.1	5.1	*	6.1	9.2	*	9.1	12.7	*
TRANSIENT CEREBRAL ISCHEMIA	56	0.0	2.0	2.6	3.6	4.4	2.9	5.4	7.2	3.8
STROKE	148	19.6	20.6	3.4	29.1	26.0	4.3	30.4	29.6	4.4
HIP FRACTURE	108	2.8	6.7	4.2	13.0	11.7	3.3	16.7	15.1	3.7
SEPSIS	27	33.3	24.7	*	44.4	34.1	*	44.4	39.5	*
PROCEDURES:										
ANGIOPLASTY	17	0.0	3.5	*	0.0	4.2	*	0.0	5.0	*
CORONARY ARTERY BYPASS GRAFT	63	15.9	6.4	5.9	15.9	8.4	5.8	15.9	9.2	5.8
INITIAL PACEMAKER INSERTION	13	0.0	3.5	*	0.0	6.9	*	0.0	9.8	*
CAROTID ENDARTERECTOMY	17	0.0	1.4	*	5.9	2.6	*	5.9	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	82	3.7	3.8	4.6	9.8	6.9	5.9	13.4	9.1	6.3
OPEN REDUCTION OF HIP FRACTURE	57	0.0	5.9	7.5	10.5	11.0	4.3	12.3	14.9	5.1
PROSTATECTOMY	204	2.5	1.2	1.3	3.9	2.8	1.5	6.4	4.8	2.2
CHOLECYSTECTOMY	99	2.0	3.5	2.2	7.1	6.5	2.6	10.1	8.7	3.1
HYSTERECTOMY	26	3.8	0.2	*	3.8	0.4	*	3.8	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 13,438

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.78	32.54	0.49	0.92	0.01	5.41	5.27	0.20	1.03	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.86	0.08	1.04	0.10					
CONGESTIVE HEART FAILURE	1.95	2.12	0.13	0.92	0.05					
PNEUMONIA/INFLUENZA	1.57	1.54	0.11	1.02	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.60	0.07	0.67	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.44	0.06	0.98	0.13					
STROKE	1.07	1.19	0.09	0.89	0.07					
HIP FRACTURE	0.62	0.55	0.06	1.13	0.14					
SEPSIS	0.35	0.52	0.06	0.70	0.09					
PROCEDURES:										
ANGIOPLASTY	0.16	0.25	0.04	0.58	0.10					
CORONARY ARTERY BYPASS GRAFT	0.46	0.33	0.05	1.46	0.23					
INITIAL PACEMAKER INSERTION	0.12	0.21	0.04	0.48	0.09					
CAROTID ENDARTERECTOMY	0.11	0.11	0.03	1.01	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.36	0.05	1.10	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.39	0.27	0.04	1.37	0.24					
PROSTATECTOMY	1.07	0.74	0.07	1.41	0.14					
CHOLECYSTECTOMY	0.60	0.43	0.06	1.45	0.20					
HYSTERECTOMY	0.14	0.16	0.03	1.02	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

TEXARKANA, TX-TEXARKANA, AR (8360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,582	8.3	8.6	0.5	12.9	13.4	0.5	16.4	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	144	35.4	26.5	6.0	38.9	29.2	6.2	41.0	31.8	6.0
CONGESTIVE HEART FAILURE	274	10.2	14.0	2.9	19.7	22.4	2.9	27.0	28.7	3.0
PNEUMONIA/INFLUENZA	347	12.1	14.6	2.9	17.0	20.0	2.9	21.0	23.6	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	105	7.6	8.5	3.4	10.5	14.8	5.0	16.2	19.5	4.9
TRANSIENT CEREBRAL ISCHEMIA	108	0.9	1.5	1.3	5.6	3.5	3.0	6.5	5.6	2.5
STROKE	194	25.3	19.7	4.8	33.0	25.9	5.0	37.1	29.5	5.2
HIP FRACTURE	160	6.3	6.0	1.9	11.2	10.7	2.5	13.1	14.0	2.8
SEPSIS	86	24.4	24.0	7.0	29.1	32.2	7.3	33.7	37.0	6.9
PROCEDURES:										
ANGIOPLASTY	7	0.0	3.9	*	0.0	4.6	*	0.0	5.4	*
CORONARY ARTERY BYPASS GRAFT	74	6.8	6.4	3.0	10.8	8.7	3.7	12.2	9.5	4.2
INITIAL PACEMAKER INSERTION	40	0.0	3.2	*	2.5	5.8	*	2.5	8.2	*
CAROTID ENDARTERECTOMY	52	5.8	1.4	2.7	7.7	2.7	3.4	15.4	4.0	5.3
HIP REPLACEMENT/RECONSTRUCTION	104	4.8	4.3	2.3	7.7	7.5	2.8	10.6	9.8	3.1
OPEN REDUCTION OF HIP FRACTURE	86	7.0	5.6	2.9	10.5	10.3	3.5	12.8	13.6	3.8
PROSTATECTOMY	234	0.0	1.0	1.2	0.9	2.3	1.9	2.6	3.9	2.0
CHOLECYSTECTOMY	135	3.0	2.5	1.4	4.4	4.4	1.9	5.2	5.7	2.1
HYSTERECTOMY	34	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,096

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	40.76	31.81	0.41	1.28	0.02	5.16	4.86	0.16	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.73	0.96	0.07	0.77	0.06					
CONGESTIVE HEART FAILURE	2.55	1.99	0.10	1.28	0.07					
PNEUMONIA/INFLUENZA	2.35	1.56	0.09	1.50	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.81	0.63	0.06	1.26	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.45	0.05	1.22	0.14					
STROKE	1.19	1.10	0.08	1.09	0.08					
HIP FRACTURE	0.62	0.60	0.06	1.01	0.10					
SEPSIS	0.70	0.44	0.05	1.65	0.19					
PROCEDURES:										
ANGIOPLASTY	0.08	0.28	0.04	0.27	0.04					
CORONARY ARTERY BYPASS GRAFT	0.34	0.38	0.04	0.95	0.12					
INITIAL PACEMAKER INSERTION	0.14	0.22	0.03	0.77	0.13					
CAROTID ENDARTERECTOMY	0.16	0.12	0.03	1.08	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.41	0.05	1.08	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.04	1.13	0.16					
PROSTATECTOMY	0.86	0.75	0.06	1.14	0.10					
CHOLECYSTECTOMY	0.66	0.49	0.05	1.35	0.14					
HYSTERECTOMY	0.12	0.18	0.03	0.59	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

AR-(NONMSA) (99AR)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	46,985	9.6	8.7	0.2	14.1	13.2	0.2	17.3	16.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,413	30.2	26.3	1.5	33.4	29.3	1.7	36.0	32.1	1.6
CONGESTIVE HEART FAILURE	2,591	16.1	14.4	1.0	23.6	22.9	1.1	29.6	29.1	0.9
PNEUMONIA/INFLUENZA	3,416	14.1	14.7	0.8	19.8	20.3	1.2	23.3	24.0	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	873	5.6	6.5	1.0	10.9	11.5	1.2	15.0	15.6	1.5
TRANSIENT CEREBRAL ISCHEMIA	852	1.2	1.6	0.6	3.4	3.7	0.8	5.9	6.2	0.9
STROKE	1,722	22.9	18.7	1.4	30.0	24.9	1.7	33.1	28.8	1.5
HIP FRACTURE	1,001	6.9	5.9	0.9	11.1	10.4	1.1	14.9	13.6	1.3
SEPSIS	454	32.8	24.7	2.4	40.1	32.7	2.4	44.1	37.4	2.4
PROCEDURES:										
ANGIOPLASTY	248	3.2	3.4	1.2	4.4	4.3	1.3	5.2	5.1	1.5
CORONARY ARTERY BYPASS GRAFT	229	6.6	5.1	1.9	8.7	7.1	2.4	9.6	8.0	2.4
INITIAL PACEMAKER INSERTION	253	2.8	2.5	1.0	5.1	5.0	1.4	7.5	7.3	1.7
CAROTID ENDARTERECTOMY	154	0.6	1.5	1.4	2.6	2.8	1.4	3.2	4.1	1.8
HIP REPLACEMENT/RECONSTRUCTION	587	6.0	3.4	1.2	9.0	6.4	1.3	11.2	8.7	1.7
OPEN REDUCTION OF HIP FRACTURE	564	6.2	5.3	1.2	9.9	9.7	1.4	14.2	12.9	1.7
PROSTATECTOMY	1,421	1.5	0.9	0.5	3.5	2.2	0.9	4.8	3.8	0.7
CHOLECYSTECTOMY	883	2.5	2.1	0.6	3.9	3.9	0.7	5.0	5.3	0.8
HYSTERECTOMY	269	1.9	0.6	1.5	1.9	1.3	1.3	2.6	2.0	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 280,399

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.34	32.06	0.11	1.10	0.00	4.76	4.77	0.04	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	1.01	0.02	1.02	0.02					
CONGESTIVE HEART FAILURE	2.01	1.94	0.03	1.03	0.01					
PNEUMONIA/INFLUENZA	2.01	1.75	0.02	1.14	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.70	0.02	0.92	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.56	0.44	0.01	1.24	0.04					
STROKE	1.09	1.06	0.02	1.02	0.02					
HIP FRACTURE	0.66	0.60	0.01	1.10	0.03					
SEPSIS	0.33	0.40	0.01	0.82	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.01	1.16	0.04					
CORONARY ARTERY BYPASS GRAFT	0.60	0.40	0.01	1.49	0.05					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.18	0.06					
CAROTID ENDARTERECTOMY	0.20	0.14	0.01	1.34	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.44	0.01	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.28	0.01	1.21	0.05					
PROSTATECTOMY	0.95	0.81	0.02	1.19	0.03					
CHOLECYSTECTOMY	0.57	0.54	0.01	1.05	0.03					
HYSTERECTOMY	0.18	0.18	0.01	0.97	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

PHOENIX, AZ (6200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	54,730	8.5	8.6	0.1	12.9	13.1	0.3	16.0	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,692	23.5	25.3	2.1	27.3	28.2	2.3	29.7	30.7	2.2
CONGESTIVE HEART FAILURE	2,188	14.8	14.2	0.8	21.8	22.5	1.1	26.9	28.6	1.1
PNEUMONIA/INFLUENZA	2,272	14.7	15.3	0.9	20.2	21.0	1.5	23.9	24.7	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	942	10.6	8.1	1.1	17.2	13.9	1.4	23.5	18.3	1.8
TRANSIENT CEREBRAL ISCHEMIA	638	2.0	1.6	0.8	4.4	3.6	1.4	6.4	5.9	1.5
STROKE	1,898	18.0	21.0	1.6	24.9	27.2	1.6	28.7	30.9	1.8
HIP FRACTURE	1,537	5.9	6.4	0.7	10.9	11.3	1.2	13.7	14.7	1.5
SEPSIS	643	20.8	24.3	2.4	28.8	32.0	2.8	33.4	36.6	3.1
PROCEDURES:										
ANGIOPLASTY	727	3.0	3.2	0.7	3.7	4.2	0.9	4.1	5.2	1.1
CORONARY ARTERY BYPASS GRAFT	912	6.1	5.3	1.1	8.2	7.6	1.5	9.9	8.5	1.6
INITIAL PACEMAKER INSERTION	509	2.6	2.8	0.8	4.3	5.4	1.3	6.3	7.8	1.7
CAROTID ENDARTERECTOMY	283	2.1	1.4	1.2	3.2	2.7	1.4	4.2	3.9	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,477	2.9	2.7	0.5	5.5	5.0	0.9	6.4	6.7	0.8
OPEN REDUCTION OF HIP FRACTURE	782	4.6	5.8	1.4	9.7	10.6	1.9	12.9	14.1	2.1
PROSTATECTOMY	2,133	0.8	0.8	0.3	2.3	1.9	0.5	3.6	3.2	0.6
CHOLECYSTECTOMY	1,273	2.4	2.6	0.8	4.6	4.8	1.1	6.4	6.3	1.2
HYSTERECTOMY	564	0.9	0.6	0.7	1.1	1.3	0.7	1.2	2.0	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 286,499

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.63	26.11	0.09	0.94	0.00	4.16	4.37	0.04	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.73	0.86	0.02	0.85	0.02					
CONGESTIVE HEART FAILURE	1.23	1.55	0.02	0.80	0.01					
PNEUMONIA/INFLUENZA	1.01	1.14	0.02	0.89	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.49	0.01	1.05	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.34	0.01	0.79	0.02					
STROKE	0.80	0.85	0.02	0.94	0.02					
HIP FRACTURE	0.62	0.56	0.01	1.11	0.03					
SEPSIS	0.35	0.34	0.01	1.01	0.03					
PROCEDURES:										
ANGIOPLASTY	0.30	0.31	0.01	0.97	0.03					
CORONARY ARTERY BYPASS GRAFT	0.37	0.41	0.01	0.89	0.03					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.02	0.04					
CAROTID ENDARTERECTOMY	0.10	0.14	0.01	0.77	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.45	0.01	1.15	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.28	0.01	1.15	0.04					
PROSTATECTOMY	0.79	0.78	0.02	1.01	0.02					
CHOLECYSTECTOMY	0.46	0.44	0.01	1.05	0.03					
HYSTERECTOMY	0.19	0.18	0.01	1.07	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

TUCSON, AZ (8520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	20,010	8.1	8.0	0.2	12.0	12.3	0.2	15.3	15.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	660	21.8	24.2	2.7	25.6	27.3	2.7	28.8	30.0	2.4
CONGESTIVE HEART FAILURE	750	12.9	14.1	1.7	20.1	22.5	2.0	27.1	28.6	1.9
PNEUMONIA/INFLUENZA	773	14.5	14.8	1.3	18.8	20.4	1.8	21.6	24.1	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	374	9.1	7.3	2.2	15.5	12.9	2.3	22.2	17.1	2.7
TRANSIENT CEREBRAL ISCHEMIA	179	2.8	1.7	1.3	5.0	3.8	1.8	6.7	6.2	1.9
STROKE	632	18.7	19.4	1.7	24.2	26.0	2.2	27.5	29.8	2.6
HIP FRACTURE	577	5.5	5.8	1.2	9.4	10.6	2.1	12.8	14.1	2.2
SEPSIS	208	20.2	25.0	3.6	24.0	32.4	4.3	28.8	36.8	4.6
PROCEDURES:										
ANGIOPLASTY	300	4.3	3.9	1.5	4.7	4.9	1.3	6.0	6.0	1.5
CORONARY ARTERY BYPASS GRAFT	261	13.4	6.4	2.5	16.9	9.1	2.8	17.6	10.2	2.8
INITIAL PACEMAKER INSERTION	130	2.3	3.2	2.0	2.3	5.6	3.6	3.1	7.8	4.7
CAROTID ENDARTERECTOMY	76	1.3	1.5	1.5	1.3	2.8	2.2	2.6	4.1	2.6
HIP REPLACEMENT/RECONSTRUCTION	458	3.3	2.4	1.3	5.5	4.5	2.0	6.8	6.1	2.2
OPEN REDUCTION OF HIP FRACTURE	306	5.9	5.6	1.4	9.5	10.5	1.9	12.1	14.2	2.5
PROSTATECTOMY	1,005	0.5	0.8	0.3	1.6	1.8	0.5	3.0	3.1	0.6
CHOLECYSTECTOMY	390	2.1	2.2	1.1	3.6	4.1	1.6	4.4	5.6	1.7
HYSTERECTOMY	183	0.0	0.6	0.8	0.0	1.4	1.6	2.2	2.4	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 100,490

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.15	26.80	0.16	0.98	0.01	4.09	4.34	0.07	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.88	0.03	0.96	0.03					
CONGESTIVE HEART FAILURE	1.24	1.57	0.04	0.79	0.02					
PNEUMONIA/INFLUENZA	1.06	1.26	0.03	0.84	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.54	0.02	1.08	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.36	0.02	0.67	0.04					
STROKE	0.77	0.86	0.03	0.89	0.03					
HIP FRACTURE	0.65	0.56	0.02	1.14	0.05					
SEPSIS	0.32	0.34	0.02	0.93	0.05					
PROCEDURES:										
ANGIOPLASTY	0.35	0.31	0.02	1.11	0.06					
CORONARY ARTERY BYPASS GRAFT	0.31	0.41	0.02	0.75	0.04					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.85	0.06					
CAROTID ENDARTERECTOMY	0.07	0.13	0.01	0.54	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.44	0.02	1.14	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.27	0.02	1.26	0.08					
PROSTATECTOMY	1.02	0.77	0.03	1.32	0.05					
CHOLECYSTECTOMY	0.43	0.45	0.02	0.95	0.04					
HYSTERECTOMY	0.19	0.18	0.01	1.04	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

YUMA, AZ (9360)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,222	8.8	9.2	0.6	13.2	13.6	0.7	16.2	16.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	118	22.9	21.4	5.8	27.1	24.9	5.0	29.7	27.7	4.5
CONGESTIVE HEART FAILURE	143	14.0	12.5	4.8	19.6	19.9	4.7	27.3	25.4	4.5
PNEUMONIA/INFLUENZA	211	13.3	14.7	3.0	17.1	20.2	4.5	20.4	23.7	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	86	4.7	8.7	4.2	8.1	15.0	5.9	11.6	19.5	6.7
TRANSIENT CEREBRAL ISCHEMIA	75	2.7	1.6	1.7	2.7	3.5	3.9	9.3	5.5	4.0
STROKE	104	15.4	21.5	5.6	22.1	27.1	6.7	27.9	30.4	6.5
HIP FRACTURE	76	5.3	6.0	4.2	11.8	10.7	4.0	13.2	13.9	4.1
SEPSIS	14	14.3	23.3	*	21.4	29.4	*	21.4	34.1	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	28	0.0	3.8	*	7.1	7.1	*	7.1	10.1	*
CAROTID ENDARTERECTOMY	4	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	28	3.6	3.1	*	7.1	6.0	*	7.1	8.1	*
OPEN REDUCTION OF HIP FRACTURE	47	4.3	5.2	*	10.6	9.7	*	12.8	12.8	*
PROSTATECTOMY	123	0.0	0.7	1.0	0.0	1.5	2.1	1.6	2.6	2.2
CHOLECYSTECTOMY	56	5.4	2.5	2.6	10.7	4.3	4.5	12.5	5.6	5.2
HYSTERECTOMY	7	0.0	0.4	*	14.3	0.9	*	14.3	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

AZ-(NONMSA) (99AZ)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	12,411	9.2	8.5	0.3	13.4	12.7	0.4	16.1	15.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	394	26.1	23.6	2.3	29.2	26.3	2.6	31.0	28.9	2.4
CONGESTIVE HEART FAILURE	613	17.9	13.9	2.3	26.9	22.1	2.7	32.3	28.2	2.7
PNEUMONIA/INFLUENZA	828	12.8	13.2	1.5	18.2	18.2	1.3	21.0	21.6	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	318	6.9	7.1	1.6	11.3	12.7	2.2	15.7	17.0	2.7
TRANSIENT CEREBRAL ISCHEMIA	167	3.6	1.5	1.8	6.0	3.5	2.6	7.8	5.7	3.6
STROKE	427	23.4	18.2	2.6	28.3	24.5	2.5	32.6	28.4	2.7
HIP FRACTURE	361	9.1	6.3	2.2	14.7	11.1	3.0	17.7	14.3	3.2
SEPSIS	127	19.7	24.1	5.9	28.3	31.0	7.5	30.7	35.4	7.7
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	51	2.0	4.3	3.6	7.8	7.2	3.8	9.8	9.5	4.2
CAROTID ENDARTERECTOMY	10	0.0	1.2	*	10.0	2.3	*	10.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	253	3.6	3.5	1.4	9.1	6.5	2.6	11.9	8.7	3.3
OPEN REDUCTION OF HIP FRACTURE	179	11.2	5.8	3.0	16.2	10.4	3.6	17.9	13.7	4.1
PROSTATECTOMY	469	0.4	0.8	0.5	1.9	1.8	0.9	2.6	3.2	1.2
CHOLECYSTECTOMY	321	1.9	2.1	0.8	3.7	3.8	1.3	4.7	5.0	1.7
HYSTERECTOMY	115	1.7	0.7	1.5	2.6	1.5	1.7	5.2	2.4	3.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 135,159

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.07	27.18	0.14	0.92	0.00	3.90	4.08	0.05	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.94	0.03	0.96	0.03					
CONGESTIVE HEART FAILURE	1.18	1.54	0.03	0.77	0.02					
PNEUMONIA/INFLUENZA	1.32	1.34	0.03	1.00	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.61	0.02	0.87	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.36	0.02	0.76	0.04					
STROKE	0.70	0.86	0.02	0.82	0.02					
HIP FRACTURE	0.53	0.49	0.02	1.11	0.05					
SEPSIS	0.29	0.32	0.02	0.84	0.04					
PROCEDURES:										
ANGIOPLASTY	0.30	0.35	0.02	0.86	0.04					
CORONARY ARTERY BYPASS GRAFT	0.36	0.47	0.02	0.77	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.79	0.05					
CAROTID ENDARTERECTOMY	0.12	0.17	0.01	0.75	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.43	0.02	1.13	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.24	0.01	1.14	0.07					
PROSTATECTOMY	0.84	0.89	0.03	0.95	0.03					
CHOLECYSTECTOMY	0.50	0.52	0.02	0.95	0.04					
HYSTERECTOMY	0.17	0.19	0.01	0.98	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

ANAHEIM-SANTA ANA, CA (0360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	36,853	10.6	10.1	0.2	16.2	15.2	0.4	20.0	18.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,130	25.0	26.4	1.7	30.0	29.6	1.4	32.7	32.3	1.4
CONGESTIVE HEART FAILURE	1,883	17.2	15.3	1.2	25.8	24.0	1.3	32.7	30.1	1.7
PNEUMONIA/INFLUENZA	1,796	17.1	15.6	1.1	23.7	21.5	1.4	28.6	25.4	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	626	9.6	8.0	1.7	16.8	14.0	2.3	21.6	18.6	2.6
TRANSIENT CEREBRAL ISCHEMIA	501	3.0	2.0	1.2	5.8	4.4	1.9	8.6	7.1	2.0
STROKE	1,594	21.8	21.2	1.1	29.5	28.0	1.4	33.6	31.9	1.4
HIP FRACTURE	1,029	7.7	6.8	1.4	13.3	12.0	1.7	16.5	15.5	1.6
SEPSIS	576	25.3	25.2	2.1	35.4	33.8	2.1	41.7	38.8	2.4
PROCEDURES:										
ANGIOPLASTY	352	2.8	2.7	0.9	2.8	3.5	1.2	3.1	4.4	1.6
CORONARY ARTERY BYPASS GRAFT	450	7.6	5.4	1.8	9.6	7.7	1.8	10.9	8.7	1.8
INITIAL PACEMAKER INSERTION	332	2.4	3.3	1.3	5.7	6.4	2.3	7.5	9.1	2.8
CAROTID ENDARTERECTOMY	180	2.2	1.5	1.2	3.3	2.9	1.4	5.0	4.2	1.8
HIP REPLACEMENT/RECONSTRUCTION	875	4.3	3.8	1.3	8.1	6.9	1.6	10.4	9.2	1.6
OPEN REDUCTION OF HIP FRACTURE	473	7.2	5.9	1.9	11.6	10.8	2.1	14.6	14.3	1.8
PROSTATECTOMY	1,206	0.9	0.8	0.3	1.8	1.9	0.5	3.4	3.3	0.6
CHOLECYSTECTOMY	636	2.8	2.8	0.7	4.7	5.0	0.9	6.4	6.6	1.3
HYSTERECTOMY	427	0.7	0.8	0.6	1.9	1.8	1.3	3.3	2.8	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 240,662

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.01	24.75	0.10	0.93	0.00	4.48	4.38	0.04	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.79	0.02	0.88	0.02					
CONGESTIVE HEART FAILURE	1.39	1.44	0.02	0.96	0.02					
PNEUMONIA/INFLUENZA	1.07	1.01	0.02	1.06	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.40	0.01	1.15	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.34	0.01	0.80	0.03					
STROKE	0.83	0.81	0.02	1.03	0.02					
HIP FRACTURE	0.55	0.61	0.02	0.91	0.02					
SEPSIS	0.40	0.32	0.01	1.24	0.04					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.97	0.04					
CORONARY ARTERY BYPASS GRAFT	0.31	0.37	0.01	0.85	0.03					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.96	0.04					
CAROTID ENDARTERECTOMY	0.10	0.09	0.01	1.01	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.45	0.01	1.03	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.01	0.81	0.03					
PROSTATECTOMY	0.61	0.70	0.02	0.86	0.02					
CHOLECYSTECTOMY	0.31	0.36	0.01	0.89	0.03					
HYSTERECTOMY	0.18	0.17	0.01	1.04	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BAKERSFIELD, CA (0680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,738	10.4	9.3	0.4	16.0	14.0	0.5	19.7	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	250	27.2	24.5	3.2	30.4	27.2	3.9	34.0	29.7	3.7
CONGESTIVE HEART FAILURE	508	15.4	13.8	2.7	22.6	21.9	2.5	28.5	27.9	2.4
PNEUMONIA/INFLUENZA	668	18.7	15.7	1.7	28.1	21.8	2.3	32.6	25.7	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	168	13.7	8.4	2.7	19.6	14.6	3.2	27.4	19.1	3.9
TRANSIENT CEREBRAL ISCHEMIA	130	4.6	1.6	2.2	6.9	3.7	2.8	10.0	6.2	3.4
STROKE	382	23.0	19.9	3.5	28.3	25.8	3.4	31.4	29.5	2.9
HIP FRACTURE	267	8.6	6.9	2.4	13.1	12.0	2.5	15.7	15.5	2.5
SEPSIS	126	24.6	21.5	4.5	29.4	29.0	4.5	36.5	33.4	5.1
PROCEDURES:										
ANGIOPLASTY	185	0.5	2.0	1.5	0.5	2.7	1.9	1.1	3.5	2.2
CORONARY ARTERY BYPASS GRAFT	214	6.1	5.0	1.7	8.9	7.0	2.2	10.7	7.9	2.8
INITIAL PACEMAKER INSERTION	130	1.5	2.7	1.9	3.1	5.1	3.0	3.8	7.3	4.0
CAROTID ENDARTERECTOMY	75	0.0	1.4	1.8	0.0	2.6	2.6	1.3	3.7	2.6
HIP REPLACEMENT/RECONSTRUCTION	189	5.3	4.8	2.7	9.0	8.6	2.6	11.6	11.3	2.3
OPEN REDUCTION OF HIP FRACTURE	101	6.9	5.9	3.0	12.9	10.7	5.3	12.9	14.2	4.8
PROSTATECTOMY	270	0.7	0.9	1.0	2.2	2.0	1.5	4.4	3.4	1.9
CHOLECYSTECTOMY	195	1.5	2.0	1.1	4.1	3.7	1.6	6.7	5.1	2.2
HYSTERECTOMY	89	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 63,123

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.13	28.53	0.21	0.92	0.01	4.48	4.38	0.08	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.62	0.92	0.04	0.68	0.03					
CONGESTIVE HEART FAILURE	1.64	1.69	0.05	0.97	0.03					
PNEUMONIA/INFLUENZA	1.71	1.39	0.05	1.23	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.64	0.03	0.82	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.38	0.02	0.89	0.06					
STROKE	0.86	0.91	0.04	0.94	0.04					
HIP FRACTURE	0.58	0.53	0.03	1.10	0.06					
SEPSIS	0.34	0.36	0.02	0.95	0.06					
PROCEDURES:										
ANGIOPLASTY	0.50	0.34	0.02	1.48	0.10					
CORONARY ARTERY BYPASS GRAFT	0.47	0.43	0.03	1.10	0.07					
INITIAL PACEMAKER INSERTION	0.31	0.20	0.02	1.56	0.14					
CAROTID ENDARTERECTOMY	0.17	0.16	0.02	1.06	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.41	0.03	1.06	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.26	0.02	0.85	0.07					
PROSTATECTOMY	0.63	0.78	0.03	0.82	0.04					
CHOLECYSTECTOMY	0.43	0.50	0.03	0.85	0.05					
HYSTERECTOMY	0.16	0.18	0.02	0.89	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

CHICO, CA (1620)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,653	8.9	8.9	0.4	13.6	13.4	0.5	17.3	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	237	19.8	25.8	4.0	22.8	28.8	4.1	24.1	31.6	4.6
CONGESTIVE HEART FAILURE	275	14.5	14.2	2.2	21.8	22.3	3.4	28.7	28.5	3.8
PNEUMONIA/INFLUENZA	350	12.9	13.9	2.1	20.3	19.4	2.2	24.0	23.2	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	112	11.6	7.2	5.0	13.4	13.0	3.2	18.8	17.4	4.5
TRANSIENT CEREBRAL ISCHEMIA	84	0.0	1.8	2.3	1.2	4.2	3.6	3.6	7.0	4.1
STROKE	262	18.3	18.8	2.9	26.0	24.9	3.5	31.3	28.6	4.5
HIP FRACTURE	198	5.6	6.3	1.9	10.6	11.5	2.4	14.1	15.2	2.7
SEPSIS	66	21.2	24.2	5.9	31.8	32.6	7.1	36.4	37.6	6.5
PROCEDURES:										
ANGIOPLASTY	89	1.1	3.8	3.3	3.4	4.6	2.9	3.4	5.5	3.1
CORONARY ARTERY BYPASS GRAFT	87	3.4	5.5	4.0	4.6	7.8	5.6	4.6	8.9	5.9
INITIAL PACEMAKER INSERTION	60	3.3	3.0	2.2	5.0	5.9	3.3	5.0	8.4	4.6
CAROTID ENDARTERECTOMY	69	0.0	1.4	2.3	1.4	2.7	3.3	4.3	4.2	3.6
HIP REPLACEMENT/RECONSTRUCTION	148	2.7	2.7	1.8	5.4	5.1	2.5	6.8	6.9	2.4
OPEN REDUCTION OF HIP FRACTURE	109	7.3	6.2	3.6	11.9	11.5	4.1	13.8	15.4	4.7
PROSTATECTOMY	237	0.0	0.8	0.9	1.3	1.7	0.9	1.7	3.0	1.6
CHOLECYSTECTOMY	129	1.6	2.3	1.5	3.1	4.6	2.1	7.0	6.3	2.2
HYSTERECTOMY	57	0.0	0.5	1.0	0.0	1.1	1.7	1.8	1.9	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 35,560

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.67	27.23	0.28	0.91	0.01	4.35	4.40	0.11	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.93	0.05	0.94	0.05					
CONGESTIVE HEART FAILURE	1.21	1.59	0.07	0.76	0.03					
PNEUMONIA/INFLUENZA	1.41	1.34	0.06	1.07	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.66	0.57	0.04	1.16	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.36	0.03	0.83	0.07					
STROKE	0.81	0.88	0.05	0.95	0.05					
HIP FRACTURE	0.62	0.57	0.04	1.10	0.08					
SEPSIS	0.27	0.34	0.03	0.83	0.08					
PROCEDURES:										
ANGIOPLASTY	0.31	0.33	0.03	0.90	0.08					
CORONARY ARTERY BYPASS GRAFT	0.40	0.42	0.03	0.94	0.08					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	0.89	0.11					
CAROTID ENDARTERECTOMY	0.21	0.15	0.02	1.33	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.46	0.04	1.03	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.28	0.03	1.22	0.13					
PROSTATECTOMY	0.76	0.83	0.05	0.91	0.05					
CHOLECYSTECTOMY	0.42	0.48	0.04	0.87	0.07					
HYSTERECTOMY	0.15	0.19	0.02	0.79	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

FRESNO, CA (2840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12,439	10.4	8.9	0.3	14.8	13.5	0.3	18.5	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	379	27.7	25.1	5.1	31.4	28.0	5.2	33.2	30.6	4.8
CONGESTIVE HEART FAILURE	654	19.3	13.8	2.1	28.1	21.9	2.2	34.9	28.0	2.5
PNEUMONIA/INFLUENZA	613	19.6	16.0	1.9	26.1	22.1	2.1	30.7	26.0	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	188	12.8	8.2	2.8	18.6	14.0	3.3	25.5	18.3	4.6
TRANSIENT CEREBRAL ISCHEMIA	80	2.5	1.7	1.9	5.0	3.7	3.8	8.7	6.1	5.0
STROKE	493	20.7	20.4	1.8	25.4	26.9	2.2	29.2	30.7	2.3
HIP FRACTURE	395	8.4	5.9	2.3	13.2	10.7	2.9	16.7	14.0	3.3
SEPSIS	132	24.2	22.6	3.9	31.1	29.6	4.6	34.8	33.9	4.4
PROCEDURES:										
ANGIOPLASTY	160	5.6	4.1	3.6	7.5	5.2	3.8	8.7	6.2	3.9
CORONARY ARTERY BYPASS GRAFT	250	5.6	5.0	1.5	6.4	6.9	1.8	6.8	7.8	2.2
INITIAL PACEMAKER INSERTION	161	6.2	2.4	2.1	7.5	4.7	2.3	9.9	7.0	2.4
CAROTID ENDARTERECTOMY	109	0.9	1.3	1.2	0.9	2.4	2.0	3.7	3.6	1.8
HIP REPLACEMENT/RECONSTRUCTION	288	4.9	2.8	2.1	7.3	5.3	2.6	9.0	7.2	2.5
OPEN REDUCTION OF HIP FRACTURE	214	7.0	5.5	2.4	11.7	10.3	2.8	15.0	13.7	3.2
PROSTATECTOMY	482	0.6	0.7	0.4	1.0	1.6	0.8	2.3	2.8	1.1
CHOLECYSTECTOMY	312	2.2	2.0	0.9	4.5	3.8	1.2	6.7	5.2	1.9
HYSTERECTOMY	129	0.8	0.4	*	0.8	1.0	*	0.8	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 79,373

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.33	28.41	0.19	0.75	0.00	4.47	4.61	0.08	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.91	0.03	0.69	0.03					
CONGESTIVE HEART FAILURE	1.36	1.70	0.05	0.80	0.02					
PNEUMONIA/INFLUENZA	1.09	1.41	0.04	0.77	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.59	0.03	0.69	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.16	0.37	0.02	0.44	0.03					
STROKE	0.77	0.92	0.03	0.83	0.03					
HIP FRACTURE	0.59	0.59	0.03	0.99	0.05					
SEPSIS	0.28	0.37	0.02	0.77	0.04					
PROCEDURES:										
ANGIOPLASTY	0.26	0.31	0.02	0.84	0.05					
CORONARY ARTERY BYPASS GRAFT	0.33	0.40	0.02	0.83	0.05					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.14	0.09					
CAROTID ENDARTERECTOMY	0.14	0.14	0.01	0.96	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.44	0.02	0.95	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.02	1.09	0.07					
PROSTATECTOMY	0.67	0.76	0.03	0.88	0.04					
CHOLECYSTECTOMY	0.44	0.48	0.02	0.93	0.05					
HYSTERECTOMY	0.15	0.18	0.01	0.83	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

LOS ANGELES-LONG BEACH, CA (4480)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	149,550	9.3	9.3	0.1	14.7	14.3	0.2	18.3	17.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,734	23.4	24.5	1.4	27.7	27.9	1.8	30.6	30.6	1.7
CONGESTIVE HEART FAILURE	7,845	13.4	14.5	0.7	22.3	23.0	0.7	28.9	29.1	0.7
PNEUMONIA/INFLUENZA	6,478	15.9	15.8	0.7	22.7	21.9	0.8	27.0	25.8	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,068	8.1	8.2	0.7	14.8	14.5	0.8	19.4	19.2	0.9
TRANSIENT CEREBRAL ISCHEMIA	2,111	2.0	1.8	0.3	4.5	4.0	0.5	6.7	6.6	0.7
STROKE	5,651	18.5	19.7	0.9	25.5	26.3	0.9	29.5	30.1	0.9
HIP FRACTURE	3,529	7.2	6.4	0.6	13.4	11.5	1.2	16.3	15.0	0.9
SEPSIS	2,300	26.0	25.0	1.1	35.1	33.7	1.2	41.1	38.8	1.7
PROCEDURES:										
ANGIOPLASTY	1,754	2.7	3.1	0.7	3.8	4.1	0.7	4.9	5.1	0.7
CORONARY ARTERY BYPASS GRAFT	1,958	6.4	5.9	0.8	9.5	8.6	0.9	10.9	9.7	1.0
INITIAL PACEMAKER INSERTION	1,262	2.7	3.3	0.9	6.7	6.5	1.2	9.7	9.4	1.3
CAROTID ENDARTERECTOMY	665	1.8	1.5	0.5	3.2	2.7	0.8	4.5	4.0	0.8
HIP REPLACEMENT/RECONSTRUCTION	2,896	4.1	3.2	0.6	7.5	6.0	0.9	9.3	8.1	0.8
OPEN REDUCTION OF HIP FRACTURE	1,776	6.6	5.9	0.9	13.0	10.9	1.5	15.9	14.4	1.3
PROSTATECTOMY	5,191	0.9	0.8	0.2	2.1	1.9	0.3	3.6	3.2	0.4
CHOLECYSTECTOMY	2,204	2.9	2.7	0.4	5.6	4.9	0.7	7.4	6.5	1.0
HYSTERECTOMY	1,236	0.8	0.7	0.5	1.5	1.5	0.8	2.2	2.4	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 924,123

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.82	25.77	0.05	0.96	0.00	4.60	4.64	0.02	0.99	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.62	0.77	0.01	0.80	0.01					
CONGESTIVE HEART FAILURE	1.60	1.57	0.01	1.02	0.01					
PNEUMONIA/INFLUENZA	1.07	1.04	0.01	1.02	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.42	0.01	0.98	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.33	0.01	0.96	0.02					
STROKE	0.87	0.88	0.01	0.98	0.01					
HIP FRACTURE	0.50	0.58	0.01	0.86	0.01					
SEPSIS	0.42	0.39	0.01	1.09	0.02					
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.00	1.02	0.02					
CORONARY ARTERY BYPASS GRAFT	0.30	0.36	0.01	0.83	0.01					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.00	0.94	0.02					
CAROTID ENDARTERECTOMY	0.09	0.10	0.00	0.91	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.41	0.01	0.91	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.01	0.83	0.02					
PROSTATECTOMY	0.66	0.71	0.01	0.93	0.01					
CHOLECYSTECTOMY	0.29	0.36	0.01	0.83	0.01					
HYSTERECTOMY	0.15	0.17	0.00	0.91	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

MERCED, CA (4940)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,743	8.6	8.9	0.7	13.4	13.9	0.7	16.9	17.4	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	87	23.0	22.0	5.4	27.6	24.9	5.6	33.3	27.4	6.9
CONGESTIVE HEART FAILURE	153	16.3	15.1	3.3	28.8	23.9	4.7	34.6	30.1	6.4
PNEUMONIA/INFLUENZA	180	13.9	15.7	3.5	21.7	21.9	3.3	24.4	25.8	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	57	0.0	6.2	6.3	7.0	11.3	8.6	8.8	15.3	9.2
TRANSIENT CEREBRAL ISCHEMIA	49	6.1	1.8	*	8.2	3.9	*	10.2	6.3	*
STROKE	84	16.7	16.7	6.0	27.4	23.4	6.6	28.6	27.4	6.0
HIP FRACTURE	82	4.9	6.2	2.9	12.2	11.1	4.7	14.6	14.4	4.5
SEPSIS	25	12.0	20.7	*	32.0	31.5	*	40.0	37.4	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	20	5.0	4.0	*	10.0	7.4	*	20.0	10.0	*
CAROTID ENDARTERECTOMY	37	0.0	1.3	*	2.7	2.4	*	2.7	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	48	4.2	3.3	*	10.4	6.1	*	10.4	8.2	*
OPEN REDUCTION OF HIP FRACTURE	45	4.4	4.7	*	8.9	8.9	*	13.3	12.0	*
PROSTATECTOMY	146	0.0	0.9	1.0	2.1	2.0	1.6	2.1	3.5	1.9
CHOLECYSTECTOMY	68	4.4	2.0	2.9	4.4	3.6	2.6	4.4	4.6	2.7
HYSTERECTOMY	21	0.0	0.6	*	4.8	1.4	*	4.8	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,623

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.57	27.80	0.39	1.03	0.01	4.09	4.36	0.15	0.94	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.98	0.91	0.07	1.08	0.08					
CONGESTIVE HEART FAILURE	1.59	1.64	0.09	0.96	0.05					
PNEUMONIA/INFLUENZA	1.61	1.32	0.08	1.23	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.67	0.58	0.06	1.13	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.37	0.04	1.09	0.14					
STROKE	0.71	0.89	0.07	0.76	0.06					
HIP FRACTURE	0.59	0.54	0.05	1.07	0.11					
SEPSIS	0.29	0.35	0.04	0.78	0.10					
PROCEDURES:										
ANGIOPLASTY	0.35	0.32	0.04	1.03	0.14					
CORONARY ARTERY BYPASS GRAFT	0.57	0.43	0.05	1.30	0.15					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.03	1.15	0.21					
CAROTID ENDARTERECTOMY	0.35	0.14	0.03	2.32	0.51					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.43	0.05	0.94	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.26	0.04	1.03	0.16					
PROSTATECTOMY	1.03	0.80	0.07	1.27	0.11					
CHOLECYSTECTOMY	0.56	0.49	0.05	1.15	0.13					
HYSTERECTOMY	0.23	0.18	0.03	1.25	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

MODESTO, CA (5170)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,902	10.3	8.9	0.5	14.3	13.5	0.4	17.5	16.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	349	26.1	24.0	3.6	30.7	27.2	3.1	32.7	30.0	2.8
CONGESTIVE HEART FAILURE	415	14.5	14.4	1.8	21.4	22.8	2.4	27.7	29.0	3.1
PNEUMONIA/INFLUENZA	481	18.9	15.2	2.1	26.0	20.9	2.6	31.0	24.6	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	129	7.0	7.4	2.5	9.3	12.9	4.2	15.5	17.2	3.9
TRANSIENT CEREBRAL ISCHEMIA	96	0.0	1.7	1.9	0.0	3.7	3.5	1.0	6.1	4.3
STROKE	337	19.3	19.7	2.2	24.0	26.3	2.6	29.7	30.1	2.5
HIP FRACTURE	237	6.3	6.4	1.8	10.5	11.2	2.1	11.8	14.5	3.2
SEPSIS	150	23.3	24.1	4.7	35.3	32.6	4.4	38.7	37.5	4.5
PROCEDURES:										
ANGIOPLASTY	196	2.0	2.8	1.3	2.6	3.6	1.6	4.6	4.5	1.5
CORONARY ARTERY BYPASS GRAFT	282	6.0	5.1	1.5	7.1	7.1	1.6	8.5	8.0	1.7
INITIAL PACEMAKER INSERTION	90	2.2	3.2	2.3	5.6	6.2	2.6	6.7	8.8	3.6
CAROTID ENDARTERECTOMY	69	1.4	1.4	1.5	4.3	2.5	2.4	4.3	3.8	2.9
HIP REPLACEMENT/RECONSTRUCTION	221	4.1	3.4	1.4	6.8	6.2	1.7	8.1	8.4	1.9
OPEN REDUCTION OF HIP FRACTURE	106	5.7	6.0	2.4	8.5	10.9	3.8	9.4	14.4	5.5
PROSTATECTOMY	356	1.4	0.9	0.7	2.0	2.2	0.8	3.1	3.8	1.1
CHOLECYSTECTOMY	181	5.0	2.3	1.9	6.1	4.1	2.3	6.6	5.3	2.8
HYSTERECTOMY	95	1.1	0.6	1.0	2.1	1.5	1.4	3.2	2.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 46,360

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.59	27.37	0.24	0.93	0.01	4.25	4.41	0.10	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.90	0.04	1.09	0.05					
CONGESTIVE HEART FAILURE	1.39	1.62	0.06	0.87	0.03					
PNEUMONIA/INFLUENZA	1.46	1.30	0.05	1.12	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.57	0.03	0.94	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.37	0.03	0.73	0.06					
STROKE	0.89	0.87	0.04	1.02	0.05					
HIP FRACTURE	0.52	0.57	0.03	0.90	0.06					
SEPSIS	0.44	0.34	0.03	1.28	0.10					
PROCEDURES:										
ANGIOPLASTY	0.49	0.31	0.03	1.57	0.13					
CORONARY ARTERY BYPASS GRAFT	0.55	0.41	0.03	1.33	0.10					
INITIAL PACEMAKER INSERTION	0.22	0.19	0.02	1.06	0.12					
CAROTID ENDARTERECTOMY	0.14	0.14	0.02	0.92	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.44	0.03	1.19	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.27	0.02	0.80	0.07					
PROSTATECTOMY	0.75	0.76	0.04	0.99	0.05					
CHOLECYSTECTOMY	0.42	0.47	0.03	0.88	0.06					
HYSTERECTOMY	0.20	0.18	0.02	1.14	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

OAKLAND, CA (5775)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	38,658	9.7	9.3	0.2	14.8	14.2	0.2	18.4	17.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,176	23.9	24.9	1.7	27.9	28.1	2.1	30.1	30.8	1.9
CONGESTIVE HEART FAILURE	2,177	12.7	14.1	1.1	20.4	22.5	1.5	26.0	28.6	1.6
PNEUMONIA/INFLUENZA	1,766	17.2	15.0	1.3	23.7	20.7	1.4	28.3	24.5	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	509	9.2	7.6	1.7	15.9	13.5	2.5	22.6	18.0	3.0
TRANSIENT CEREBRAL ISCHEMIA	412	2.7	1.9	1.4	6.8	4.3	2.3	9.7	7.0	2.6
STROKE	1,795	19.5	19.4	1.0	25.7	25.9	1.1	29.4	29.7	1.1
HIP FRACTURE	1,033	4.8	6.0	1.0	10.4	10.8	1.1	14.4	14.2	1.1
SEPSIS	543	26.5	23.4	2.2	34.3	31.0	2.6	38.5	35.6	2.5
PROCEDURES:										
ANGIOPLASTY	572	2.8	2.7	0.7	3.7	3.7	0.9	4.9	4.5	1.0
CORONARY ARTERY BYPASS GRAFT	403	8.9	5.8	2.2	9.9	8.5	1.6	10.7	9.7	1.6
INITIAL PACEMAKER INSERTION	340	4.4	2.9	1.6	5.9	5.6	1.8	8.5	8.2	1.9
CAROTID ENDARTERECTOMY	172	0.6	1.4	1.1	3.5	2.7	1.4	4.7	3.9	1.8
HIP REPLACEMENT/RECONSTRUCTION	879	3.3	2.8	0.7	5.7	5.2	0.8	7.6	7.1	1.0
OPEN REDUCTION OF HIP FRACTURE	472	4.4	5.5	1.8	9.1	10.3	1.7	14.2	13.8	1.6
PROSTATECTOMY	1,167	0.4	0.7	0.4	2.1	1.7	0.5	2.7	2.9	0.7
CHOLECYSTECTOMY	651	3.4	2.3	1.0	5.7	4.3	1.3	7.4	5.8	1.4
HYSTERECTOMY	360	0.3	0.5	0.4	0.8	1.2	0.6	1.4	1.9	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 249,401

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.55	25.90	0.10	0.95	0.00	4.42	4.59	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.75	0.02	0.96	0.02					
CONGESTIVE HEART FAILURE	1.60	1.59	0.02	1.00	0.02					
PNEUMONIA/INFLUENZA	1.02	1.03	0.02	0.99	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.42	0.01	0.91	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.33	0.01	0.70	0.02					
STROKE	0.97	0.89	0.02	1.09	0.02					
HIP FRACTURE	0.53	0.56	0.01	0.94	0.02					
SEPSIS	0.36	0.39	0.01	0.91	0.03					
PROCEDURES:										
ANGIOPLASTY	0.43	0.27	0.01	1.56	0.06					
CORONARY ARTERY BYPASS GRAFT	0.30	0.35	0.01	0.85	0.03					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	0.96	0.04					
CAROTID ENDARTERECTOMY	0.10	0.10	0.01	1.09	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.40	0.01	1.14	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.01	0.86	0.03					
PROSTATECTOMY	0.58	0.70	0.02	0.83	0.02					
CHOLECYSTECTOMY	0.32	0.35	0.01	0.91	0.03					
HYSTERECTOMY	0.16	0.16	0.01	**	**					

** QUANTITIES COULD NOT BE ESTIMATED

OXNARD-VENTURA, CA (6000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,529	10.0	8.9	0.4	15.3	13.5	0.7	18.4	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	304	23.0	23.5	2.7	27.6	26.9	2.6	30.3	29.7	2.7
CONGESTIVE HEART FAILURE	430	15.8	14.4	2.1	25.8	22.6	3.4	30.2	28.6	2.7
PNEUMONIA/INFLUENZA	480	12.5	14.2	2.1	18.1	19.8	2.1	23.1	23.5	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	10.8	7.3	3.9	21.6	13.1	5.5	24.5	17.7	6.5
TRANSIENT CEREBRAL ISCHEMIA	144	1.4	1.6	1.1	1.4	3.6	2.3	4.2	5.9	2.8
STROKE	415	23.4	20.1	3.3	30.1	26.4	3.2	33.3	30.1	3.0
HIP FRACTURE	308	9.1	6.2	3.1	13.0	11.0	3.1	16.6	14.4	3.3
SEPSIS	146	28.1	24.5	4.7	34.2	32.6	4.2	36.3	37.4	4.8
PROCEDURES:										
ANGIOPLASTY	139	5.0	3.6	2.0	5.8	4.5	2.0	6.5	5.5	2.1
CORONARY ARTERY BYPASS GRAFT	169	5.3	5.9	1.9	8.3	8.4	2.4	8.3	9.4	2.6
INITIAL PACEMAKER INSERTION	75	2.7	3.3	2.2	8.0	6.2	3.7	9.3	8.8	3.4
CAROTID ENDARTERECTOMY	63	0.0	1.4	2.5	3.2	2.6	3.2	4.8	3.9	5.6
HIP REPLACEMENT/RECONSTRUCTION	227	3.1	3.4	1.2	6.6	6.3	1.9	9.7	8.5	2.5
OPEN REDUCTION OF HIP FRACTURE	158	11.4	5.9	4.5	14.6	10.7	4.0	18.4	14.2	4.3
PROSTATECTOMY	414	0.7	0.6	0.4	1.7	1.5	0.7	2.9	2.6	1.0
CHOLECYSTECTOMY	213	3.3	2.8	1.3	5.2	5.0	1.8	5.6	6.6	2.1
HYSTERECTOMY	118	0.8	0.5	0.7	0.8	1.2	1.0	0.8	2.0	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 67,265

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.99	25.17	0.19	0.87	0.01	4.40	4.40	0.08	**	**
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.81	0.03	0.87	0.04					
CONGESTIVE HEART FAILURE	1.23	1.48	0.05	0.83	0.03					
PNEUMONIA/INFLUENZA	1.07	1.08	0.04	0.99	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.44	0.03	0.61	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.32	0.02	0.83	0.06					
STROKE	0.77	0.82	0.03	0.94	0.04					
HIP FRACTURE	0.56	0.57	0.03	0.98	0.05					
SEPSIS	0.37	0.33	0.02	1.12	0.07					
PROCEDURES:										
ANGIOPLASTY	0.28	0.29	0.02	0.94	0.07					
CORONARY ARTERY BYPASS GRAFT	0.37	0.38	0.02	0.98	0.06					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.02	0.82	0.07					
CAROTID ENDARTERECTOMY	0.14	0.12	0.01	1.20	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.44	0.03	0.96	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.02	1.02	0.07					
PROSTATECTOMY	0.76	0.73	0.03	1.04	0.05					
CHOLECYSTECTOMY	0.41	0.39	0.02	1.03	0.06					
HYSTERECTOMY	0.20	0.17	0.02	1.17	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

REDDING, CA (6690)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,481	9.7	8.3	0.5	13.9	12.7	0.6	16.4	15.9	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	126	28.6	22.8	5.0	29.4	25.3	4.6	30.2	27.8	4.3
CONGESTIVE HEART FAILURE	163	20.9	14.3	4.5	29.4	22.4	5.0	33.7	28.4	4.7
PNEUMONIA/INFLUENZA	179	12.8	15.0	3.4	20.1	21.4	3.7	22.9	25.4	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	86	14.0	8.3	5.2	22.1	14.8	6.9	25.6	19.6	6.8
TRANSIENT CEREBRAL ISCHEMIA	32	3.1	1.6	*	3.1	3.5	*	3.1	5.8	*
STROKE	132	21.2	20.2	4.2	28.8	26.0	4.5	33.3	29.5	5.4
HIP FRACTURE	106	8.5	6.2	4.6	14.2	11.0	4.6	14.2	14.4	5.0
SEPSIS	43	32.6	22.1	*	34.9	30.4	*	37.2	34.8	*
PROCEDURES:										
ANGIOPLASTY	92	1.1	2.3	1.7	3.3	3.0	1.8	4.3	3.9	2.3
CORONARY ARTERY BYPASS GRAFT	187	4.3	5.5	2.4	5.9	7.7	2.9	6.4	8.7	3.3
INITIAL PACEMAKER INSERTION	48	2.1	2.9	*	4.2	5.4	*	6.3	7.7	*
CAROTID ENDARTERECTOMY	34	0.0	1.2	*	2.9	2.2	*	2.9	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	74	0.0	3.2	3.4	5.4	6.0	4.1	5.4	8.0	4.9
OPEN REDUCTION OF HIP FRACTURE	61	11.5	5.1	5.2	16.4	9.5	5.8	16.4	12.9	6.9
PROSTATECTOMY	180	0.0	0.8	1.0	1.1	1.9	1.3	2.2	3.3	1.8
CHOLECYSTECTOMY	84	0.0	1.8	2.2	1.2	3.0	2.5	1.2	3.9	3.2
HYSTERECTOMY	92	1.1	0.2	1.1	1.1	0.5	1.2	1.1	0.9	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,652

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.99	27.21	0.33	0.88	0.01	4.14	4.26	0.13	0.97	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.64	0.91	0.06	0.70	0.05					
CONGESTIVE HEART FAILURE	0.98	1.59	0.08	0.62	0.03					
PNEUMONIA/INFLUENZA	0.93	1.30	0.07	0.71	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.62	0.05	0.89	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.36	0.04	0.49	0.05					
STROKE	0.67	0.85	0.06	0.80	0.05					
HIP FRACTURE	0.51	0.52	0.04	0.98	0.08					
SEPSIS	0.29	0.34	0.04	0.87	0.09					
PROCEDURES:										
ANGIOPLASTY	0.42	0.35	0.04	1.20	0.13					
CORONARY ARTERY BYPASS GRAFT	0.92	0.44	0.04	2.10	0.20					
INITIAL PACEMAKER INSERTION	0.27	0.19	0.03	1.41	0.20					
CAROTID ENDARTERECTOMY	0.14	0.17	0.02	0.83	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.42	0.04	0.84	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.25	0.03	1.11	0.14					
PROSTATECTOMY	0.74	0.79	0.05	0.94	0.07					
CHOLECYSTECTOMY	0.41	0.49	0.04	0.83	0.07					
HYSTERECTOMY	0.35	0.18	0.03	1.94	0.29					

** QUANTITIES COULD NOT BE ESTIMATED

RIVERSIDE-SAN BERNARDINO, CA (6780)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	42,482	10.0	9.1	0.2	15.0	13.9	0.2	18.6	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,363	24.0	23.7	1.9	28.5	26.7	1.9	30.3	29.3	1.5
CONGESTIVE HEART FAILURE	2,182	15.5	14.1	1.0	24.0	22.5	1.1	30.7	28.4	1.4
PNEUMONIA/INFLUENZA	2,539	17.4	15.4	0.9	24.1	21.2	0.9	29.2	25.0	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	704	7.0	7.2	1.0	13.8	12.8	1.9	18.0	17.2	1.9
TRANSIENT CEREBRAL ISCHEMIA	572	1.4	1.8	1.1	5.1	4.0	1.5	7.0	6.5	1.9
STROKE	1,595	20.5	19.1	1.4	27.0	25.6	1.5	32.0	29.3	1.7
HIP FRACTURE	1,091	5.9	6.1	0.7	11.4	10.9	1.1	15.9	14.2	1.4
SEPSIS	534	26.2	24.6	2.4	34.5	32.7	2.5	39.9	37.5	2.9
PROCEDURES:										
ANGIOPLASTY	375	2.4	2.5	1.2	2.9	3.4	1.1	4.3	4.3	1.4
CORONARY ARTERY BYPASS GRAFT	455	6.6	5.9	1.4	9.0	8.3	1.5	10.5	9.4	1.7
INITIAL PACEMAKER INSERTION	381	2.1	3.1	1.0	5.0	6.1	1.4	9.7	8.9	1.5
CAROTID ENDARTERECTOMY	288	2.8	1.5	1.0	3.8	2.7	1.1	4.9	3.9	1.3
HIP REPLACEMENT/RECONSTRUCTION	838	3.5	2.8	1.1	5.6	5.3	1.4	8.1	7.3	1.4
OPEN REDUCTION OF HIP FRACTURE	573	5.2	5.8	1.3	12.4	10.6	1.7	17.1	14.0	2.4
PROSTATECTOMY	1,529	0.7	0.9	0.3	1.8	2.0	0.4	3.1	3.4	0.6
CHOLECYSTECTOMY	820	3.0	2.4	0.8	4.8	4.4	0.8	5.7	5.9	0.8
HYSTERECTOMY	397	1.3	0.7	0.9	2.8	1.5	1.8	3.0	2.4	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 311,105

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.63	26.52	0.09	0.82	0.00	4.42	4.35	0.04	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	0.87	0.02	0.78	0.01					
CONGESTIVE HEART FAILURE	1.26	1.57	0.02	0.80	0.01					
PNEUMONIA/INFLUENZA	1.20	1.19	0.02	1.01	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.52	0.01	0.81	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.35	0.01	0.74	0.02					
STROKE	0.73	0.86	0.02	0.84	0.02					
HIP FRACTURE	0.44	0.55	0.01	0.81	0.02					
SEPSIS	0.29	0.35	0.01	0.82	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.32	0.01	0.77	0.02					
CORONARY ARTERY BYPASS GRAFT	0.28	0.42	0.01	0.67	0.02					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.87	0.03					
CAROTID ENDARTERECTOMY	0.14	0.14	0.01	0.98	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.43	0.01	0.86	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.27	0.01	0.86	0.03					
PROSTATECTOMY	0.63	0.79	0.02	0.80	0.02					
CHOLECYSTECTOMY	0.35	0.45	0.01	0.79	0.02					
HYSTERECTOMY	0.16	0.18	0.01	0.88	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

SACRAMENTO, CA (6920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	30,640	9.4	8.9	0.2	14.2	13.6	0.2	17.5	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	940	23.6	24.5	1.7	27.6	27.6	1.9	30.2	30.3	1.9
CONGESTIVE HEART FAILURE	1,362	15.9	14.4	1.2	23.6	22.7	1.5	29.9	28.8	1.5
PNEUMONIA/INFLUENZA	1,392	18.1	15.2	1.5	24.6	21.1	2.0	29.0	25.0	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	539	9.1	7.6	1.5	15.6	13.7	2.1	21.5	18.3	2.9
TRANSIENT CEREBRAL ISCHEMIA	378	2.9	1.9	1.2	5.3	4.3	1.5	8.5	6.9	2.2
STROKE	1,159	20.4	20.2	1.6	27.8	26.5	1.7	31.6	30.3	2.0
HIP FRACTURE	795	5.9	6.3	1.0	11.4	11.3	1.2	14.3	14.8	1.5
SEPSIS	365	28.5	23.6	3.3	34.8	31.0	3.1	39.2	35.6	3.1
PROCEDURES:										
ANGIOPLASTY	368	2.4	2.7	1.3	3.0	3.7	1.6	3.5	4.8	2.1
CORONARY ARTERY BYPASS GRAFT	636	3.0	6.8	1.1	4.1	9.8	1.3	4.7	11.1	1.4
INITIAL PACEMAKER INSERTION	203	3.0	2.8	1.4	5.9	5.8	1.7	8.4	8.5	2.0
CAROTID ENDARTERECTOMY	177	1.1	1.5	0.9	3.4	2.7	1.4	4.5	3.9	2.1
HIP REPLACEMENT/RECONSTRUCTION	679	2.9	2.6	0.7	5.0	4.9	0.9	6.0	6.7	1.1
OPEN REDUCTION OF HIP FRACTURE	334	5.7	6.0	1.6	12.0	11.1	2.4	15.0	14.7	2.0
PROSTATECTOMY	1,078	0.5	0.8	0.4	1.7	1.8	0.5	2.7	3.1	0.6
CHOLECYSTECTOMY	576	1.4	2.0	1.0	1.9	3.7	1.0	4.0	5.0	1.1
HYSTERECTOMY	323	0.0	0.6	0.7	0.9	1.4	0.7	1.9	2.3	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 183,636

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.88	26.10	0.12	0.91	0.00	4.20	4.39	0.05	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.82	0.02	0.96	0.02					
CONGESTIVE HEART FAILURE	1.30	1.55	0.03	0.84	0.02					
PNEUMONIA/INFLUENZA	1.10	1.14	0.02	0.97	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.50	0.02	1.10	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.33	0.01	0.84	0.03					
STROKE	0.83	0.84	0.02	0.99	0.02					
HIP FRACTURE	0.55	0.54	0.02	1.00	0.03					
SEPSIS	0.30	0.35	0.01	0.86	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.31	0.01	0.90	0.04					
CORONARY ARTERY BYPASS GRAFT	0.47	0.40	0.01	1.18	0.04					
INITIAL PACEMAKER INSERTION	0.15	0.19	0.01	0.77	0.04					
CAROTID ENDARTERECTOMY	0.11	0.13	0.01	0.89	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.42	0.01	0.99	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.27	0.01	0.84	0.04					
PROSTATECTOMY	0.69	0.73	0.02	0.94	0.03					
CHOLECYSTECTOMY	0.37	0.42	0.01	0.89	0.03					
HYSTERECTOMY	0.17	0.17	0.01	0.99	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SALINAS-SEASIDE-MONTEREY, CA (7120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,459	9.0	8.4	0.4	13.6	12.9	0.5	17.3	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	138	23.2	25.4	4.6	26.1	28.8	5.5	29.0	31.5	6.4
CONGESTIVE HEART FAILURE	260	14.6	15.0	2.9	20.0	23.4	4.0	26.2	29.5	5.0
PNEUMONIA/INFLUENZA	221	17.6	14.3	4.4	22.2	20.0	5.2	25.8	23.8	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	92	6.5	7.9	2.9	14.1	14.1	3.8	15.2	18.9	4.5
TRANSIENT CEREBRAL ISCHEMIA	73	2.7	1.6	2.3	4.1	3.7	2.5	5.5	6.0	2.8
STROKE	246	20.7	19.5	2.7	26.4	25.5	3.1	32.9	29.3	4.0
HIP FRACTURE	141	6.4	5.9	2.0	12.8	10.6	2.9	17.0	14.0	3.9
SEPSIS	63	23.8	23.6	7.1	36.5	31.6	7.4	42.9	36.3	8.8
PROCEDURES:										
ANGIOPLASTY	65	1.5	2.8	2.7	1.5	3.5	3.3	3.1	4.3	3.8
CORONARY ARTERY BYPASS GRAFT	46	6.5	5.7	*	13.0	8.3	*	15.2	9.5	*
INITIAL PACEMAKER INSERTION	44	0.0	3.2	*	6.8	6.2	*	6.8	9.0	*
CAROTID ENDARTERECTOMY	39	2.6	1.3	*	2.6	2.5	*	2.6	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	147	2.7	2.1	1.7	6.1	3.9	2.9	8.2	5.4	3.8
OPEN REDUCTION OF HIP FRACTURE	74	4.1	5.6	2.9	9.5	10.2	3.5	13.5	13.6	5.3
PROSTATECTOMY	161	0.6	0.7	0.8	2.5	1.5	1.3	3.7	2.6	1.6
CHOLECYSTECTOMY	87	1.1	2.7	2.1	3.4	5.2	2.8	5.7	7.2	3.0
HYSTERECTOMY	52	0.0	0.5	1.1	0.0	1.1	1.8	0.0	1.7	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 37,168

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.44	25.56	0.26	0.92	0.01	4.38	4.36	0.11	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.65	0.83	0.05	0.80	0.05					
CONGESTIVE HEART FAILURE	1.19	1.49	0.06	0.80	0.03					
PNEUMONIA/INFLUENZA	0.97	1.10	0.05	0.88	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.51	0.45	0.03	1.17	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.34	0.03	0.75	0.07					
STROKE	0.90	0.84	0.05	1.06	0.06					
HIP FRACTURE	0.45	0.57	0.04	0.81	0.06					
SEPSIS	0.26	0.34	0.03	0.76	0.07					
PROCEDURES:										
ANGIOPLASTY	0.56	0.29	0.03	1.87	0.19					
CORONARY ARTERY BYPASS GRAFT	0.36	0.39	0.03	0.96	0.08					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.94	0.12					
CAROTID ENDARTERECTOMY	0.16	0.11	0.02	1.39	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.45	0.03	1.05	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.28	0.03	0.81	0.08					
PROSTATECTOMY	0.55	0.76	0.04	0.73	0.04					
CHOLECYSTECTOMY	0.32	0.41	0.03	0.77	0.06					
HYSTERECTOMY	0.16	0.18	0.02	0.90	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

SAN DIEGO, CA (7320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	42,609	9.4	9.1	0.2	14.3	13.8	0.2	17.7	17.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,293	22.4	23.9	1.8	26.1	27.0	1.9	28.8	29.7	1.7
CONGESTIVE HEART FAILURE	2,024	14.8	14.6	0.8	23.9	23.1	1.2	30.4	29.2	1.4
PNEUMONIA/INFLUENZA	1,750	16.5	14.8	1.2	23.1	20.6	1.7	27.0	24.4	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	679	8.8	7.5	1.5	16.1	13.3	2.2	20.8	17.7	2.4
TRANSIENT CEREBRAL ISCHEMIA	366	1.9	1.8	0.8	4.9	4.0	1.2	7.4	6.5	1.5
STROKE	1,675	20.2	19.9	1.5	27.8	26.2	2.1	31.5	29.9	2.3
HIP FRACTURE	1,236	6.1	6.2	0.7	10.7	11.1	1.0	14.3	14.5	1.0
SEPSIS	618	24.4	23.1	2.1	31.2	31.2	2.3	36.7	35.9	3.2
PROCEDURES:										
ANGIOPLASTY	563	2.1	2.9	1.2	3.6	3.9	1.5	4.4	4.8	1.6
CORONARY ARTERY BYPASS GRAFT	832	4.7	6.3	1.2	6.4	9.0	1.7	7.8	10.1	1.7
INITIAL PACEMAKER INSERTION	375	3.2	3.2	1.4	6.4	6.2	1.6	8.8	9.0	1.6
CAROTID ENDARTERECTOMY	207	1.4	1.2	1.0	1.4	2.3	1.2	1.4	3.4	1.7
HIP REPLACEMENT/RECONSTRUCTION	1,090	2.9	2.7	0.6	4.5	5.0	0.7	6.9	6.7	0.8
OPEN REDUCTION OF HIP FRACTURE	651	5.7	5.9	1.2	11.4	10.7	1.3	15.1	14.2	1.6
PROSTATECTOMY	1,738	0.8	0.8	0.2	2.1	1.8	0.4	2.7	3.1	0.6
CHOLECYSTECTOMY	875	2.7	2.4	0.6	4.5	4.5	0.8	5.8	6.0	0.9
HYSTERECTOMY	396	1.0	0.6	0.8	2.0	1.4	1.4	2.8	2.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 256,111

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.23	24.77	0.10	0.94	0.00	4.89	4.43	0.04	1.10	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.79	0.02	0.87	0.02					
CONGESTIVE HEART FAILURE	1.35	1.46	0.02	0.92	0.01					
PNEUMONIA/INFLUENZA	0.96	1.04	0.02	0.93	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.42	0.01	1.04	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.31	0.01	0.63	0.02					
STROKE	0.84	0.82	0.02	1.02	0.02					
HIP FRACTURE	0.59	0.57	0.01	1.03	0.03					
SEPSIS	0.34	0.34	0.01	**	**					
PROCEDURES:										
ANGIOPLASTY	0.31	0.30	0.01	1.06	0.04					
CORONARY ARTERY BYPASS GRAFT	0.43	0.38	0.01	1.13	0.04					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	0.99	0.04					
CAROTID ENDARTERECTOMY	0.10	0.11	0.01	0.91	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.44	0.01	1.14	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.06	0.04					
PROSTATECTOMY	0.77	0.75	0.02	1.02	0.02					
CHOLECYSTECTOMY	0.38	0.38	0.01	**	**					
HYSTERECTOMY	0.17	0.17	0.01	0.96	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

SAN FRANCISCO, CA (7360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	34,620	8.9	9.0	0.2	13.8	13.8	0.3	17.2	17.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	962	22.5	27.4	2.3	27.0	30.5	2.5	29.9	33.2	2.4
CONGESTIVE HEART FAILURE	1,734	13.7	15.1	1.4	22.7	23.7	1.5	29.3	29.9	1.4
PNEUMONIA/INFLUENZA	1,193	14.9	14.5	1.1	20.3	20.3	1.3	24.6	24.1	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	359	10.9	8.4	2.1	17.3	14.7	2.4	22.6	19.3	2.8
TRANSIENT CEREBRAL ISCHEMIA	301	0.7	1.7	1.4	3.0	4.0	2.1	6.0	6.5	2.3
STROKE	1,471	19.7	20.6	1.2	27.8	27.2	1.3	33.2	31.0	1.8
HIP FRACTURE	989	6.0	6.2	0.8	10.7	11.3	1.6	13.8	14.7	1.7
SEPSIS	404	21.3	23.3	3.4	29.7	30.8	3.4	34.9	35.3	4.2
PROCEDURES:										
ANGIOPLASTY	513	0.8	2.1	0.9	1.8	3.0	0.9	3.7	4.0	1.1
CORONARY ARTERY BYPASS GRAFT	674	5.8	4.9	1.1	7.9	7.1	1.2	9.3	8.2	1.4
INITIAL PACEMAKER INSERTION	323	1.9	3.5	1.6	5.0	6.7	2.3	7.7	9.5	2.5
CAROTID ENDARTERECTOMY	200	1.5	1.3	0.8	2.5	2.4	1.1	3.5	3.6	1.4
HIP REPLACEMENT/RECONSTRUCTION	938	2.8	2.8	0.9	5.7	5.2	1.0	7.4	7.1	1.1
OPEN REDUCTION OF HIP FRACTURE	478	4.6	5.7	2.0	9.4	10.7	2.9	12.6	14.2	3.0
PROSTATECTOMY	1,072	0.7	0.8	0.3	1.2	1.9	0.7	2.2	3.2	1.0
CHOLECYSTECTOMY	461	2.4	2.4	0.9	3.0	4.6	1.3	3.9	6.3	1.7
HYSTERECTOMY	236	0.8	0.7	0.6	1.7	1.7	1.0	1.7	2.8	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 234,301

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.35	25.67	0.10	0.79	0.00	4.52	4.72	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.78	0.02	0.82	0.02					
CONGESTIVE HEART FAILURE	1.33	1.55	0.03	0.86	0.01					
PNEUMONIA/INFLUENZA	0.76	1.09	0.02	0.70	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.41	0.01	0.66	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.33	0.01	0.55	0.02					
STROKE	0.83	0.87	0.02	0.96	0.02					
HIP FRACTURE	0.54	0.62	0.02	0.86	0.02					
SEPSIS	0.29	0.37	0.01	0.80	0.03					
PROCEDURES:										
ANGIOPLASTY	0.23	0.27	0.01	0.84	0.03					
CORONARY ARTERY BYPASS GRAFT	0.25	0.35	0.01	0.70	0.02					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.83	0.04					
CAROTID ENDARTERECTOMY	0.09	0.10	0.01	0.89	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.44	0.01	1.01	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.32	0.01	0.79	0.03					
PROSTATECTOMY	0.53	0.72	0.02	0.73	0.02					
CHOLECYSTECTOMY	0.23	0.35	0.01	0.67	0.02					
HYSTERECTOMY	0.11	0.17	0.01	0.65	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

SAN JOSE, CA (7400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22,343	9.0	9.1	0.3	14.0	13.8	0.3	17.5	17.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	694	22.3	24.7	2.9	26.8	27.7	2.7	30.3	30.4	2.7
CONGESTIVE HEART FAILURE	1,037	12.9	14.5	2.3	21.2	23.0	2.7	27.6	29.2	2.6
PNEUMONIA/INFLUENZA	920	15.7	15.8	1.6	22.9	21.6	1.6	27.3	25.5	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	295	13.2	9.2	2.2	22.7	15.6	3.0	27.8	20.3	3.6
TRANSIENT CEREBRAL ISCHEMIA	244	1.2	1.9	1.0	3.7	4.2	1.4	6.6	6.8	1.6
STROKE	893	19.7	20.5	1.5	26.5	26.9	1.6	30.8	30.7	1.9
HIP FRACTURE	610	6.6	6.5	1.2	12.5	11.6	1.9	17.0	15.2	2.6
SEPSIS	278	22.7	22.2	2.8	29.1	29.2	2.8	32.4	33.6	3.1
PROCEDURES:										
ANGIOPLASTY	503	2.4	2.7	0.9	3.4	3.7	1.1	4.0	4.6	1.1
CORONARY ARTERY BYPASS GRAFT	372	10.5	5.7	1.9	14.5	8.3	2.4	15.9	9.4	2.5
INITIAL PACEMAKER INSERTION	173	1.7	3.5	2.1	4.6	6.8	3.3	6.4	9.7	3.8
CAROTID ENDARTERECTOMY	137	0.0	1.4	1.5	3.6	2.6	1.7	3.6	3.9	2.4
HIP REPLACEMENT/RECONSTRUCTION	500	2.4	3.0	1.2	6.6	5.7	1.4	9.2	7.7	2.1
OPEN REDUCTION OF HIP FRACTURE	314	6.4	6.0	1.5	12.4	11.0	2.5	17.8	14.6	3.7
PROSTATECTOMY	821	0.7	0.7	0.4	1.1	1.7	0.5	2.2	3.0	0.7
CHOLECYSTECTOMY	415	1.9	2.1	0.7	3.6	3.9	1.0	4.8	5.3	1.2
HYSTERECTOMY	251	1.6	1.0	1.2	2.4	2.3	1.4	4.4	3.7	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 136,998

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.54	24.47	0.13	0.88	0.00	4.29	4.38	0.06	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.76	0.02	0.90	0.03					
CONGESTIVE HEART FAILURE	1.30	1.43	0.03	0.91	0.02					
PNEUMONIA/INFLUENZA	0.91	0.99	0.03	0.92	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.40	0.02	0.90	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.32	0.01	0.70	0.03					
STROKE	0.78	0.80	0.02	0.98	0.03					
HIP FRACTURE	0.52	0.58	0.02	0.89	0.03					
SEPSIS	0.28	0.33	0.02	0.84	0.04					
PROCEDURES:										
ANGIOPLASTY	0.40	0.28	0.01	1.44	0.07					
CORONARY ARTERY BYPASS GRAFT	0.38	0.36	0.02	1.06	0.05					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.01	0.91	0.06					
CAROTID ENDARTERECTOMY	0.11	0.10	0.01	1.14	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.43	0.02	0.88	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.29	0.01	0.92	0.05					
PROSTATECTOMY	0.61	0.69	0.02	0.89	0.03					
CHOLECYSTECTOMY	0.34	0.35	0.02	0.97	0.04					
HYSTERECTOMY	0.18	0.17	0.01	1.09	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

SANTA BARBARA-SANTA MARIA-LOMPOC, CA (7480)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	7,838	8.2	8.6	0.5	12.9	13.2	0.5	16.4	16.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	202	22.3	24.4	3.1	24.8	27.4	3.3	27.2	30.1	3.6
CONGESTIVE HEART FAILURE	370	11.6	14.2	2.2	21.1	22.5	2.3	28.4	28.5	2.5
PNEUMONIA/INFLUENZA	327	13.5	15.1	2.5	20.2	20.8	2.5	25.1	24.7	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	118	12.7	8.8	4.0	20.3	14.9	4.7	20.3	19.5	7.1
TRANSIENT CEREBRAL ISCHEMIA	79	0.0	1.5	2.9	5.1	3.5	2.9	8.9	5.9	3.6
STROKE	307	21.2	21.8	2.4	30.3	28.5	2.8	32.9	32.3	3.1
HIP FRACTURE	235	6.4	6.6	1.7	13.6	11.7	2.6	17.0	15.2	2.9
SEPSIS	74	23.0	27.7	5.6	29.7	37.2	7.5	33.8	42.4	7.7
PROCEDURES:										
ANGIOPLASTY	133	5.3	2.5	1.9	6.8	3.3	2.1	9.0	4.2	2.6
CORONARY ARTERY BYPASS GRAFT	83	10.8	5.8	4.2	13.3	8.5	4.2	13.3	9.8	4.0
INITIAL PACEMAKER INSERTION	92	3.3	4.0	2.1	5.4	7.2	3.2	6.5	10.1	4.2
CAROTID ENDARTERECTOMY	58	0.0	1.2	1.8	1.7	2.4	2.1	1.7	3.6	2.9
HIP REPLACEMENT/RECONSTRUCTION	264	0.8	2.4	1.7	3.8	4.4	2.4	4.9	5.9	2.2
OPEN REDUCTION OF HIP FRACTURE	121	7.4	5.9	3.7	15.7	10.9	5.8	19.0	14.5	6.0
PROSTATECTOMY	386	0.5	0.7	0.6	0.5	1.7	1.1	1.0	3.0	1.7
CHOLECYSTECTOMY	167	0.6	2.2	1.4	1.2	4.0	2.0	5.4	5.4	2.3
HYSTERECTOMY	111	0.9	0.6	0.9	0.9	1.4	1.2	0.9	2.2	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 48,549

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.55	24.86	0.23	0.87	0.01	4.15	4.50	0.10	0.92	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	0.80	0.04	0.84	0.04					
CONGESTIVE HEART FAILURE	1.28	1.44	0.05	0.90	0.03					
PNEUMONIA/INFLUENZA	0.90	1.10	0.05	0.81	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.42	0.03	0.82	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.31	0.02	0.63	0.05					
STROKE	0.80	0.83	0.04	0.95	0.05					
HIP FRACTURE	0.58	0.61	0.04	0.95	0.06					
SEPSIS	0.25	0.33	0.03	0.74	0.06					
PROCEDURES:										
ANGIOPLASTY	0.42	0.28	0.02	1.52	0.13					
CORONARY ARTERY BYPASS GRAFT	0.27	0.37	0.03	0.74	0.06					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.02	1.30	0.14					
CAROTID ENDARTERECTOMY	0.12	0.10	0.01	1.19	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.46	0.03	1.19	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.30	0.02	1.02	0.09					
PROSTATECTOMY	0.78	0.75	0.04	1.07	0.06					
CHOLECYSTECTOMY	0.35	0.38	0.03	0.91	0.07					
HYSTERECTOMY	0.24	0.17	0.02	1.39	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

SANTA CRUZ, CA (7485)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,044	9.7	10.1	0.5	14.3	15.1	0.7	17.9	18.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	147	19.7	23.3	4.4	24.5	26.6	5.6	24.5	29.4	5.0
CONGESTIVE HEART FAILURE	205	15.1	14.2	3.0	20.0	22.7	3.8	27.3	29.1	3.5
PNEUMONIA/INFLUENZA	260	17.3	16.5	2.4	23.8	22.7	2.8	30.0	26.6	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	59	5.1	6.9	3.7	11.9	12.1	4.4	15.3	16.3	5.0
TRANSIENT CEREBRAL ISCHEMIA	45	0.0	1.6	*	2.2	3.7	*	6.7	6.0	*
STROKE	179	24.6	21.5	4.3	29.6	28.0	4.2	34.6	31.8	4.6
HIP FRACTURE	149	8.1	6.3	2.6	12.1	11.1	2.7	14.1	14.4	3.0
SEPSIS	69	17.4	23.0	6.2	21.7	32.4	8.9	29.0	37.5	9.6
PROCEDURES:										
ANGIOPLASTY	32	0.0	3.3	*	0.0	4.2	*	0.0	5.1	*
CORONARY ARTERY BYPASS GRAFT	30	13.3	5.7	*	13.3	7.6	*	13.3	8.4	*
INITIAL PACEMAKER INSERTION	33	0.0	2.9	*	0.0	5.6	*	0.0	8.2	*
CAROTID ENDARTERECTOMY	13	0.0	1.5	*	0.0	2.8	*	7.7	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	92	3.3	2.9	1.8	6.5	5.3	2.8	8.7	7.1	3.4
OPEN REDUCTION OF HIP FRACTURE	87	4.6	5.9	3.5	8.0	10.7	5.0	9.2	14.0	6.1
PROSTATECTOMY	197	1.0	0.8	0.7	2.0	1.8	1.3	3.0	3.1	2.1
CHOLECYSTECTOMY	87	2.3	2.2	1.6	3.4	4.1	2.2	5.7	5.5	3.0
HYSTERECTOMY	34	0.0	0.4	*	0.0	0.9	*	2.9	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 28,577

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.50	25.35	0.30	0.89	0.01	4.70	4.69	0.13	1.00	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.73	0.82	0.05	0.89	0.06					
CONGESTIVE HEART FAILURE	1.29	1.48	0.07	0.87	0.04					
PNEUMONIA/INFLUENZA	1.27	1.18	0.06	1.08	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.42	0.04	0.83	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.31	0.03	0.77	0.08					
STROKE	0.81	0.85	0.05	0.96	0.06					
HIP FRACTURE	0.70	0.65	0.05	1.06	0.08					
SEPSIS	0.36	0.34	0.03	1.06	0.11					
PROCEDURES:										
ANGIOPLASTY	0.55	0.27	0.03	2.11	0.25					
CORONARY ARTERY BYPASS GRAFT	0.31	0.35	0.03	0.91	0.09					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.03	0.82	0.11					
CAROTID ENDARTERECTOMY	0.10	0.10	0.02	1.44	0.30					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.48	0.04	0.97	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.40	0.32	0.03	1.23	0.13					
PROSTATECTOMY	0.89	0.73	0.05	1.22	0.08					
CHOLECYSTECTOMY	0.40	0.39	0.04	1.04	0.10					
HYSTERECTOMY	0.12	0.18	0.02	0.68	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

SANTA ROSA-PETALUMA, CA (7500)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,453	9.4	8.9	0.4	14.3	13.6	0.5	17.6	17.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	290	18.6	25.8	3.1	21.4	28.7	3.6	24.1	31.3	3.7
CONGESTIVE HEART FAILURE	504	15.1	14.5	2.1	23.4	22.9	2.2	31.0	29.1	2.5
PNEUMONIA/INFLUENZA	455	13.2	14.2	1.8	20.2	19.7	2.3	23.5	23.4	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	141	8.5	7.9	2.5	14.9	14.4	3.2	20.6	19.4	3.5
TRANSIENT CEREBRAL ISCHEMIA	90	1.1	2.1	1.7	4.4	4.7	2.4	6.7	7.5	3.1
STROKE	401	21.4	19.1	3.2	28.9	25.2	4.3	32.9	29.0	4.2
HIP FRACTURE	310	8.1	6.8	2.5	13.5	11.9	3.1	16.1	15.5	2.9
SEPSIS	134	22.4	26.9	4.7	29.9	35.4	5.2	35.8	40.4	6.3
PROCEDURES:										
ANGIOPLASTY	189	4.2	3.0	1.5	4.8	4.0	1.5	6.3	5.0	2.0
CORONARY ARTERY BYPASS GRAFT	112	7.1	4.5	3.3	8.0	6.4	3.3	8.9	7.3	3.3
INITIAL PACEMAKER INSERTION	84	3.6	3.6	2.2	3.6	6.9	3.6	3.6	9.6	5.1
CAROTID ENDARTERECTOMY	63	3.2	1.4	2.5	4.8	2.6	3.6	4.8	3.8	3.7
HIP REPLACEMENT/RECONSTRUCTION	226	3.5	2.7	2.3	7.1	5.0	2.8	8.4	6.8	3.1
OPEN REDUCTION OF HIP FRACTURE	146	7.5	6.8	2.2	13.7	12.1	3.0	15.8	16.1	3.5
PROSTATECTOMY	267	0.7	0.7	0.6	1.1	1.6	0.9	3.0	2.8	1.0
CHOLECYSTECTOMY	192	3.1	2.1	1.9	5.2	3.9	1.9	6.8	5.3	2.1
HYSTERECTOMY	80	0.0	0.6	1.0	2.5	1.4	1.9	2.5	2.3	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 57,588

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.69	25.44	0.21	0.97	0.01	4.55	4.45	0.09	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.83	0.04	0.89	0.04					
CONGESTIVE HEART FAILURE	1.46	1.49	0.05	0.99	0.03					
PNEUMONIA/INFLUENZA	1.11	1.12	0.04	0.99	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.46	0.03	0.92	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.33	0.02	0.70	0.05					
STROKE	0.90	0.83	0.04	1.09	0.05					
HIP FRACTURE	0.68	0.60	0.03	1.13	0.06					
SEPSIS	0.39	0.33	0.02	1.19	0.09					
PROCEDURES:										
ANGIOPLASTY	0.48	0.29	0.02	1.72	0.14					
CORONARY ARTERY BYPASS GRAFT	0.30	0.39	0.03	0.80	0.05					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.02	1.19	0.12					
CAROTID ENDARTERECTOMY	0.15	0.11	0.01	1.39	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.46	0.03	1.17	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.02	1.06	0.08					
PROSTATECTOMY	0.58	0.75	0.04	0.77	0.04					
CHOLECYSTECTOMY	0.41	0.41	0.03	1.05	0.07					
HYSTERECTOMY	0.17	0.18	0.02	0.96	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

STOCKTON, CA (8120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	9,421	10.9	9.8	0.3	15.9	14.7	0.4	19.4	18.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	307	30.0	26.4	4.9	34.2	29.7	5.0	35.8	32.5	4.6
CONGESTIVE HEART FAILURE	533	17.3	14.6	2.1	25.7	23.3	2.2	32.3	29.5	2.4
PNEUMONIA/INFLUENZA	486	15.2	15.0	2.1	21.2	20.9	2.0	23.5	24.8	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	163	7.4	7.3	2.1	17.2	13.1	4.4	19.6	17.5	3.6
TRANSIENT CEREBRAL ISCHEMIA	131	2.3	1.8	1.2	4.6	4.0	2.2	8.4	6.6	3.7
STROKE	377	23.6	19.9	3.1	30.8	26.4	3.0	34.7	30.2	3.2
HIP FRACTURE	269	5.9	6.7	1.7	8.9	11.8	2.5	14.5	15.4	2.3
SEPSIS	166	35.5	29.8	4.8	44.6	38.8	4.1	48.8	43.8	4.2
PROCEDURES:										
ANGIOPLASTY	261	3.1	1.8	1.0	5.7	2.7	1.7	6.5	3.5	1.7
CORONARY ARTERY BYPASS GRAFT	152	3.9	6.0	2.9	7.9	8.7	2.8	9.9	9.8	2.6
INITIAL PACEMAKER INSERTION	46	2.2	3.3	*	6.5	6.3	*	8.7	8.9	*
CAROTID ENDARTERECTOMY	57	0.0	1.3	2.4	0.0	2.5	5.1	5.3	3.7	3.9
HIP REPLACEMENT/RECONSTRUCTION	178	2.2	3.7	1.9	5.6	6.9	2.1	8.4	9.1	2.4
OPEN REDUCTION OF HIP FRACTURE	150	5.3	5.5	2.2	8.0	10.0	2.9	13.3	13.3	2.8
PROSTATECTOMY	284	0.4	0.7	0.6	1.4	1.7	0.8	2.5	2.9	1.0
CHOLECYSTECTOMY	238	2.9	2.4	1.1	4.2	4.5	1.5	5.0	6.1	1.8
HYSTERECTOMY	72	0.0	0.5	0.9	1.4	1.2	1.4	2.8	1.9	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 60,473

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.63	26.81	0.21	0.88	0.01	4.51	4.47	0.09	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.80	0.85	0.04	0.94	0.04					
CONGESTIVE HEART FAILURE	1.49	1.58	0.05	0.94	0.03					
PNEUMONIA/INFLUENZA	1.10	1.27	0.05	0.87	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.53	0.03	0.91	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.33	0.02	0.82	0.06					
STROKE	0.84	0.88	0.04	0.96	0.04					
HIP FRACTURE	0.57	0.55	0.03	1.03	0.06					
SEPSIS	0.43	0.36	0.02	1.21	0.08					
PROCEDURES:										
ANGIOPLASTY	0.70	0.32	0.02	2.22	0.16					
CORONARY ARTERY BYPASS GRAFT	0.51	0.39	0.02	1.30	0.08					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.02	0.75	0.07					
CAROTID ENDARTERECTOMY	0.12	0.13	0.01	0.92	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.42	0.03	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.27	0.02	1.15	0.09					
PROSTATECTOMY	0.54	0.76	0.03	0.71	0.03					
CHOLECYSTECTOMY	0.47	0.44	0.03	1.05	0.06					
HYSTERECTOMY	0.14	0.17	0.02	0.80	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

VALLEJO-FAIRFIELD-NAPA, CA (8720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,381	10.0	9.2	0.5	15.0	13.9	0.5	17.9	17.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	225	26.2	23.6	3.7	29.8	26.9	3.2	32.4	29.5	3.2
CONGESTIVE HEART FAILURE	307	9.8	14.8	2.5	16.9	23.5	3.6	21.8	29.8	3.5
PNEUMONIA/INFLUENZA	352	15.3	14.3	2.0	21.6	19.9	2.4	25.0	23.6	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	130	6.9	7.6	3.1	13.1	13.3	3.1	20.0	17.6	3.8
TRANSIENT CEREBRAL ISCHEMIA	69	1.4	1.4	1.5	1.4	3.3	2.7	2.9	5.4	3.8
STROKE	304	25.3	18.6	3.5	33.6	24.7	3.7	37.5	28.6	3.8
HIP FRACTURE	217	7.4	6.3	2.2	13.8	11.2	3.1	17.1	14.6	3.0
SEPSIS	143	29.4	28.0	3.9	37.1	36.2	5.9	38.5	41.0	4.4
PROCEDURES:										
ANGIOPLASTY	223	3.1	3.0	2.0	7.2	4.1	2.2	8.1	5.2	2.5
CORONARY ARTERY BYPASS GRAFT	161	7.5	5.9	1.9	8.1	8.4	2.2	9.3	9.5	2.5
INITIAL PACEMAKER INSERTION	103	0.0	2.5	2.7	0.0	5.2	4.9	2.9	7.9	4.4
CAROTID ENDARTERECTOMY	101	3.0	1.4	1.8	3.0	2.6	1.7	4.0	3.9	1.9
HIP REPLACEMENT/RECONSTRUCTION	156	2.6	2.7	1.3	3.8	5.1	2.3	6.4	6.9	3.2
OPEN REDUCTION OF HIP FRACTURE	92	9.8	5.6	3.7	18.5	10.3	5.1	20.7	13.7	5.4
PROSTATECTOMY	213	0.5	0.8	0.7	0.9	1.8	1.2	2.8	3.1	1.2
CHOLECYSTECTOMY	162	1.9	2.3	1.4	3.7	4.3	2.4	4.9	5.6	2.6
HYSTERECTOMY	66	1.5	0.5	1.2	3.0	1.2	2.0	3.0	2.0	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 50,785

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.69	25.78	0.22	0.92	0.01	4.48	4.44	0.09	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.80	0.04	0.97	0.05					
CONGESTIVE HEART FAILURE	1.29	1.54	0.05	0.84	0.03					
PNEUMONIA/INFLUENZA	1.06	1.10	0.05	0.96	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.46	0.03	1.20	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.19	0.32	0.02	0.57	0.04					
STROKE	0.83	0.85	0.04	0.97	0.05					
HIP FRACTURE	0.58	0.55	0.03	1.05	0.06					
SEPSIS	0.40	0.36	0.03	1.09	0.08					
PROCEDURES:										
ANGIOPLASTY	0.70	0.30	0.02	2.26	0.18					
CORONARY ARTERY BYPASS GRAFT	0.53	0.38	0.03	1.36	0.10					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.02	1.30	0.13					
CAROTID ENDARTERECTOMY	0.17	0.12	0.02	1.46	0.20					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.42	0.03	1.03	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.02	0.93	0.08					
PROSTATECTOMY	0.50	0.75	0.04	0.67	0.03					
CHOLECYSTECTOMY	0.37	0.40	0.03	0.92	0.06					
HYSTERECTOMY	0.17	0.17	0.02	0.96	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

VISALIA-TULARE-PORTERVILLE, CA (8780)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,130	9.5	9.3	0.6	14.4	14.0	0.5	17.9	17.4	[illegible]
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	174	27.0	23.7	3.7	30.5	26.7	3.9	32.2	29.4	4.0
CONGESTIVE HEART FAILURE	315	15.9	15.2	2.1	25.7	23.7	2.7	35.2	29.8	4.1
PNEUMONIA/INFLUENZA	379	18.2	15.0	3.5	26.1	20.8	3.0	30.3	24.5	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	121	7.4	7.3	2.6	12.4	12.7	3.0	15.7	17.0	4.3
TRANSIENT CEREBRAL ISCHEMIA	75	1.3	2.0	2.1	1.3	4.5	3.6	5.3	7.2	3.5
STROKE	262	14.9	20.7	4.2	24.8	27.0	4.6	26.0	30.9	4.2
HIP FRACTURE	168	6.5	6.5	2.0	11.9	11.4	2.9	17.3	14.8	3.4
SEPSIS	68	17.6	21.0	5.7	29.4	27.3	5.7	32.4	31.2	6.6
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	38	2.6	4.4	*	5.3	8.2	*	13.2	11.2	*
CAROTID ENDARTERECTOMY	105	1.9	1.3	1.7	3.8	2.6	1.9	4.8	4.0	2.2
HIP REPLACEMENT/RECONSTRUCTION	113	3.5	3.7	3.2	9.7	6.8	4.0	11.5	9.6	3.8
OPEN REDUCTION OF HIP FRACTURE	75	6.7	5.4	3.0	9.3	9.6	5.6	17.3	12.7	5.9
PROSTATECTOMY	233	0.4	0.8	1.0	2.1	1.9	1.3	4.3	3.4	1.9
CHOLECYSTECTOMY	159	1.9	1.6	1.7	3.8	3.0	2.1	5.0	4.2	2.2
HYSTERECTOMY	51	2.0	0.5	1.5	2.0	1.1	2.1	5.9	1.8	3.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 39,186

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.19	27.90	0.27	0.97	0.01	4.32	4.39	0.11	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	0.92	0.05	0.73	0.04					
CONGESTIVE HEART FAILURE	1.62	1.62	0.06	0.99	0.04					
PNEUMONIA/INFLUENZA	1.40	1.41	0.06	0.99	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.61	0.04	1.02	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.37	0.03	0.78	0.07					
STROKE	0.94	0.89	0.05	1.06	0.06					
HIP FRACTURE	0.57	0.56	0.04	1.04	0.07					
SEPSIS	0.36	0.34	0.03	1.12	0.10					
PROCEDURES:										
ANGIOPLASTY	0.25	0.31	0.03	0.84	0.08					
CORONARY ARTERY BYPASS GRAFT	0.31	0.40	0.03	0.73	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.02	0.89	0.11					
CAROTID ENDARTERECTOMY	0.44	0.14	0.02	3.11	0.47					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.43	0.03	0.91	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.27	0.03	1.04	0.11					
PROSTATECTOMY	0.84	0.77	0.04	1.10	0.06					
CHOLECYSTECTOMY	0.53	0.49	0.03	1.07	0.08					
HYSTERECTOMY	0.17	0.18	0.02	0.96	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

YUBA CITY, CA (9340)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,763	9.2	8.3	0.6	13.3	12.4	0.7	16.7	15.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	72	26.4	25.6	10.7	33.3	28.0	11.4	33.3	30.5	11.5
CONGESTIVE HEART FAILURE	117	21.4	14.5	5.8	27.4	22.9	6.0	35.0	28.7	5.8
PNEUMONIA/INFLUENZA	184	10.3	13.0	2.9	14.7	18.5	3.5	20.1	22.0	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	40	2.5	8.5	*	10.0	14.9	*	12.5	19.9	*
TRANSIENT CEREBRAL ISCHEMIA	37	5.4	1.4	*	5.4	3.4	*	5.4	5.5	*
STROKE	119	30.3	19.4	5.2	35.3	25.1	5.2	37.0	28.6	5.0
HIP FRACTURE	68	8.8	5.2	4.1	11.8	9.7	5.3	16.2	12.9	6.7
SEPSIS	23	13.0	28.7	*	17.4	36.9	*	21.7	42.1	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	20	0.0	2.9	*	0.0	5.5	*	5.0	7.8	*
CAROTID ENDARTERECTOMY	23	0.0	1.3	*	0.0	2.6	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	34	2.9	3.8	*	2.9	7.4	*	8.8	10.1	*
OPEN REDUCTION OF HIP FRACTURE	35	8.6	4.4	*	14.3	8.2	*	14.3	10.9	*
PROSTATECTOMY	147	2.0	0.9	1.1	4.8	2.0	2.1	5.4	3.3	2.2
CHOLECYSTECTOMY	72	1.4	1.9	1.6	2.8	3.4	2.5	2.8	4.5	2.8
HYSTERECTOMY	13	0.0	0.3	*	0.0	0.7	*	7.7	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,553

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.61	28.45	0.41	1.01	0.01	4.12	4.35	0.16	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.80	0.94	0.08	0.83	0.07					
CONGESTIVE HEART FAILURE	1.38	1.64	0.10	0.84	0.05					
PNEUMONIA/INFLUENZA	1.72	1.45	0.09	1.18	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.67	0.06	0.80	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.38	0.05	0.91	0.12					
STROKE	0.94	0.88	0.07	1.05	0.09					
HIP FRACTURE	0.55	0.53	0.06	1.06	0.12					
SEPSIS	0.31	0.34	0.05	0.93	0.13					
PROCEDURES:										
ANGIOPLASTY	0.34	0.34	0.05	0.94	0.13					
CORONARY ARTERY BYPASS GRAFT	0.59	0.43	0.05	1.25	0.16					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.03	0.96	0.19					
CAROTID ENDARTERECTOMY	0.21	0.16	0.03	1.37	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.42	0.05	0.80	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.26	0.04	1.19	0.20					
PROSTATECTOMY	1.02	0.79	0.07	1.31	0.12					
CHOLECYSTECTOMY	0.56	0.51	0.06	1.12	0.13					
HYSTERECTOMY	0.11	0.18	0.03	0.72	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

CA-(NONMSA) (99CA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	23,725	10.1	9.3	0.2	14.9	13.8	0.4	18.1	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	857	24.4	24.5	1.7	29.2	27.6	1.9	32.2	30.3	1.9
CONGESTIVE HEART FAILURE	1,272	15.6	14.2	1.6	23.7	22.5	1.6	29.1	28.6	1.3
PNEUMONIA/INFLUENZA	1,556	13.7	14.7	1.1	20.4	20.3	1.1	24.7	23.9	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	435	9.4	7.3	2.0	17.2	12.8	2.6	20.9	17.0	2.8
TRANSIENT CEREBRAL ISCHEMIA	334	2.1	1.9	0.9	3.9	4.2	1.2	7.5	6.8	1.6
STROKE	987	19.7	19.1	1.3	26.8	25.4	1.7	31.4	29.2	2.0
HIP FRACTURE	671	6.7	6.3	1.3	12.1	11.1	1.5	15.9	14.4	1.9
SEPSIS	330	20.3	22.8	2.9	30.3	29.8	4.8	34.8	34.2	4.5
PROCEDURES:										
ANGIOPLASTY	65	1.5	2.6	2.4	1.5	3.7	3.3	3.1	4.7	4.1
CORONARY ARTERY BYPASS GRAFT	100	3.0	6.8	3.1	4.0	9.8	4.2	5.0	11.0	4.5
INITIAL PACEMAKER INSERTION	207	4.3	3.3	1.7	7.7	6.3	2.9	11.1	8.9	3.8
CAROTID ENDARTERECTOMY	78	0.0	1.2	1.6	0.0	2.3	2.4	0.0	3.3	3.1
HIP REPLACEMENT/RECONSTRUCTION	565	4.2	2.9	1.1	7.6	5.4	1.6	9.9	7.2	1.9
OPEN REDUCTION OF HIP FRACTURE	319	6.6	5.8	2.1	11.6	10.6	2.5	15.4	14.0	2.3
PROSTATECTOMY	770	1.2	0.8	0.5	1.9	1.8	0.6	2.9	3.1	0.8
CHOLECYSTECTOMY	493	2.4	2.1	1.1	4.9	3.9	1.3	5.3	5.2	1.1
HYSTERECTOMY	216	0.5	0.5	0.5	0.5	1.1	0.8	0.5	1.8	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 203,218

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.14	27.28	0.12	0.88	0.00	4.28	4.34	0.05	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.92	0.02	0.90	0.02					
CONGESTIVE HEART FAILURE	1.37	1.57	0.03	0.88	0.02					
PNEUMONIA/INFLUENZA	1.25	1.35	0.03	0.93	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.59	0.02	0.84	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.36	0.01	0.80	0.03					
STROKE	0.79	0.87	0.02	0.90	0.02					
HIP FRACTURE	0.51	0.54	0.02	0.94	0.03					
SEPSIS	0.31	0.34	0.01	0.89	0.04					
PROCEDURES:										
ANGIOPLASTY	0.36	0.33	0.01	1.07	0.04					
CORONARY ARTERY BYPASS GRAFT	0.44	0.43	0.01	1.04	0.04					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.96	0.05					
CAROTID ENDARTERECTOMY	0.19	0.15	0.01	1.28	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.44	0.01	1.12	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.01	0.98	0.05					
PROSTATECTOMY	0.74	0.83	0.02	0.90	0.02					
CHOLECYSTECTOMY	0.41	0.49	0.01	0.84	0.03					
HYSTERECTOMY	0.18	0.18	0.01	0.99	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BOULDER-LONGMONT, CO (1125)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,695	8.3	8.1	0.6	12.9	12.3	0.9	15.8	15.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	98	23.5	27.6	7.2	28.6	30.2	7.0	28.6	32.7	6.5
CONGESTIVE HEART FAILURE	119	20.2	14.1	6.1	30.3	22.3	6.6	36.1	28.4	6.7
PNEUMONIA/INFLUENZA	117	14.5	12.8	3.3	17.1	17.7	3.6	18.8	21.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	67	11.9	6.9	6.8	19.4	12.5	8.8	22.4	17.2	8.5
TRANSIENT CEREBRAL ISCHEMIA	36	2.8	1.8	*	2.8	4.1	*	5.6	6.8	*
STROKE	116	18.1	18.4	3.7	22.4	24.5	5.2	25.9	28.2	5.9
HIP FRACTURE	101	5.9	6.1	2.8	14.9	11.1	4.5	17.8	14.7	6.5
SEPSIS	18	22.2	23.6	*	27.8	31.6	*	33.3	36.8	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	12	8.3	5.0	*	8.3	8.2	*	8.3	10.9	*
CAROTID ENDARTERECTOMY	3	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION	64	4.7	3.5	2.8	9.4	6.3	4.5	9.4	8.4	5.9
OPEN REDUCTION OF HIP FRACTURE	47	4.3	5.9	*	17.0	10.9	*	19.1	14.6	*
PROSTATECTOMY	140	2.1	0.9	1.1	3.6	2.0	1.4	4.3	3.4	1.6
CHOLECYSTECTOMY	76	2.6	2.5	2.2	3.9	4.8	2.7	5.3	6.6	3.1
HYSTERECTOMY	20	0.0	1.2	*	0.0	2.8	*	0.0	4.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,108

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.43	25.66	0.36	0.87	0.01	4.23	4.68	0.15	0.90	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.81	0.06	0.95	0.07					
CONGESTIVE HEART FAILURE	1.09	1.51	0.09	0.72	0.04					
PNEUMONIA/INFLUENZA	0.87	1.15	0.08	0.76	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.44	0.05	1.31	0.14					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.32	0.04	0.85	0.10					
STROKE	0.74	0.83	0.06	0.89	0.07					
HIP FRACTURE	0.65	0.64	0.06	1.01	0.09					
SEPSIS	0.17	0.34	0.04	0.50	0.06					
PROCEDURES:										
ANGIOPLASTY	0.13	0.27	0.04	0.50	0.07					
CORONARY ARTERY BYPASS GRAFT	0.29	0.34	0.04	0.86	0.10					
INITIAL PACEMAKER INSERTION	0.12	0.19	0.03	0.63	0.10					
CAROTID ENDARTERECTOMY	0.04	0.10	0.02	0.39	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.46	0.05	1.02	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.04	0.95	0.12					
PROSTATECTOMY	0.83	0.67	0.06	1.23	0.11					
CHOLECYSTECTOMY	0.42	0.38	0.04	1.12	0.13					
HYSTERECTOMY	0.14	0.17	0.03	0.81	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

COLORADO SPRINGS, CO (1720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,427	7.7	7.5	0.4	12.0	11.5	0.6	15.2	14.6	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	177	19.8	23.1	3.4	21.5	25.8	3.7	22.6	28.2	4.1
CONGESTIVE HEART FAILURE	204	11.3	13.2	3.3	19.6	21.0	6.2	24.5	26.8	7.1
PNEUMONIA/INFLUENZA	291	16.8	13.7	3.4	19.6	19.0	2.8	23.7	22.6	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	120	7.5	7.9	4.4	15.8	14.0	6.5	22.5	18.7	7.0
TRANSIENT CEREBRAL ISCHEMIA	85	3.5	2.0	2.4	3.5	4.5	3.2	3.5	7.1	4.7
STROKE	221	22.2	19.5	5.5	29.9	26.0	5.4	32.6	29.8	5.1
HIP FRACTURE	196	9.7	5.8	3.9	12.8	10.4	3.8	15.3	13.7	3.8
SEPSIS	70	25.7	25.0	5.4	34.3	34.0	6.6	37.1	39.3	7.0
PROCEDURES:										
ANGIOPLASTY	130	5.4	3.9	2.6	6.2	4.7	3.0	7.7	5.5	2.9
CORONARY ARTERY BYPASS GRAFT	123	6.5	5.5	2.2	6.5	7.5	2.6	8.9	8.4	2.6
INITIAL PACEMAKER INSERTION	58	3.4	3.5	3.6	12.1	6.4	5.9	15.5	9.1	7.3
CAROTID ENDARTERECTOMY	25	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION	151	4.0	2.5	1.6	6.6	4.7	2.4	8.6	6.5	3.4
OPEN REDUCTION OF HIP FRACTURE	79	8.9	5.5	4.2	11.4	10.1	3.8	12.7	13.5	4.0
PROSTATECTOMY	203	1.5	0.8	0.7	3.0	1.9	1.2	6.4	3.3	1.8
CHOLECYSTECTOMY	128	7.0	2.4	2.4	8.6	4.2	2.7	10.2	5.4	2.9
HYSTERECTOMY	54	0.0	0.5	1.0	0.0	1.1	1.9	1.9	1.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,764

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.44	27.63	0.27	0.81	0.01	3.91	4.40	0.11	0.89	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.58	0.87	0.05	0.66	0.04					
CONGESTIVE HEART FAILURE	0.82	1.65	0.07	0.50	0.02					
PNEUMONIA/INFLUENZA	1.05	1.26	0.06	0.82	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.56	0.04	0.88	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.38	0.03	0.77	0.07					
STROKE	0.70	0.87	0.05	0.82	0.05					
HIP FRACTURE	0.61	0.57	0.04	1.07	0.08					
SEPSIS	0.28	0.34	0.03	0.84	0.08					
PROCEDURES:										
ANGIOPLASTY	0.37	0.29	0.03	1.20	0.12					
CORONARY ARTERY BYPASS GRAFT	0.38	0.40	0.03	0.97	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.02	0.86	0.11					
CAROTID ENDARTERECTOMY	0.08	0.13	0.02	0.80	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.42	0.03	1.00	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.27	0.03	0.87	0.09					
PROSTATECTOMY	0.59	0.69	0.04	0.84	0.05					
CHOLECYSTECTOMY	0.39	0.46	0.03	0.82	0.07					
HYSTERECTOMY	0.16	0.18	0.02	0.90	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

DENVER, CO (2080)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,412	8.1	7.8	0.2	12.4	11.9	0.3	15.6	15.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	928	22.2	23.6	1.7	26.7	26.5	1.6	28.8	29.2	1.7
CONGESTIVE HEART FAILURE	1,186	12.0	14.0	1.7	20.7	22.2	1.6	28.0	28.3	2.0
PNEUMONIA/INFLUENZA	1,326	14.1	13.9	1.0	18.4	19.4	1.2	22.4	23.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	582	10.3	7.2	1.5	14.6	12.6	1.6	21.0	16.8	2.0
TRANSIENT CEREBRAL ISCHEMIA	289	1.0	1.6	0.8	4.5	3.7	1.3	6.9	6.0	1.5
STROKE	825	20.0	19.5	1.4	25.9	25.7	1.8	29.0	29.5	1.7
HIP FRACTURE	917	9.3	6.6	1.3	14.7	11.7	1.6	18.2	15.3	1.6
SEPSIS	289	27.0	26.2	2.7	35.3	34.1	3.2	42.9	38.8	4.4
PROCEDURES:										
ANGIOPLASTY	289	2.8	3.6	1.4	3.1	4.5	1.6	3.5	5.5	2.0
CORONARY ARTERY BYPASS GRAFT	394	6.9	6.0	1.4	9.4	8.5	1.6	10.9	9.6	1.9
INITIAL PACEMAKER INSERTION	148	2.0	3.5	2.0	3.4	6.6	3.2	6.8	9.2	3.5
CAROTID ENDARTERECTOMY	83	1.2	1.6	1.4	2.4	2.9	2.1	3.6	4.2	3.1
HIP REPLACEMENT/RECONSTRUCTION	811	3.5	2.9	0.7	5.5	5.3	0.9	7.2	7.1	0.9
OPEN REDUCTION OF HIP FRACTURE	400	7.7	5.8	2.0	13.5	10.7	2.4	16.5	14.3	2.4
PROSTATECTOMY	1,099	0.6	1.0	0.4	2.2	2.2	0.6	3.4	3.8	0.9
CHOLECYSTECTOMY	581	4.1	2.5	1.0	6.7	4.5	1.2	7.7	6.1	1.2
HYSTERECTOMY	275	0.7	0.6	0.5	1.5	1.4	0.8	1.8	2.3	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 172,249

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.73	27.42	0.13	0.87	0.00	4.30	4.59	0.05	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.86	0.02	0.80	0.02					
CONGESTIVE HEART FAILURE	1.06	1.67	0.03	0.64	0.01					
PNEUMONIA/INFLUENZA	1.10	1.24	0.03	0.89	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.52	0.02	1.02	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.37	0.01	0.60	0.02					
STROKE	0.59	0.89	0.02	0.68	0.02					
HIP FRACTURE	0.66	0.60	0.02	1.10	0.03					
SEPSIS	0.26	0.36	0.01	0.73	0.03					
PROCEDURES:										
ANGIOPLASTY	0.21	0.29	0.01	0.72	0.03					
CORONARY ARTERY BYPASS GRAFT	0.23	0.38	0.01	0.60	0.02					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.01	0.55	0.03					
CAROTID ENDARTERECTOMY	0.05	0.12	0.01	0.41	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.44	0.02	1.20	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.01	0.97	0.04					
PROSTATECTOMY	0.68	0.70	0.02	0.97	0.03					
CHOLECYSTECTOMY	0.37	0.43	0.02	0.87	0.03					
HYSTERECTOMY	0.15	0.18	0.01	0.87	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

FORT COLLINS-LOVELAND, CO (2670)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,534	6.6	7.1	0.6	10.5	10.9	0.8	13.6	13.8	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	124	16.1	22.0	7.8	18.5	25.0	8.2	24.2	27.6	7.6
CONGESTIVE HEART FAILURE	136	8.8	13.3	5.5	16.2	21.2	6.8	25.7	27.3	7.3
PNEUMONIA/INFLUENZA	180	16.1	13.8	4.4	21.7	19.3	4.3	26.7	22.9	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	58	5.2	8.0	5.1	13.8	14.0	6.1	20.7	18.8	5.5
TRANSIENT CEREBRAL ISCHEMIA	44	0.0	1.5	*	4.5	3.4	*	4.5	5.6	*
STROKE	105	14.3	20.3	6.0	21.9	26.6	5.6	26.7	30.4	5.7
HIP FRACTURE	102	2.9	5.7	2.6	6.9	10.2	3.7	7.8	13.4	4.5
SEPSIS	45	26.7	27.6	*	31.1	35.8	*	37.8	40.5	*
PROCEDURES:										
ANGIOPLASTY	53	5.7	3.9	5.0	7.5	4.9	5.9	7.5	5.9	6.2
CORONARY ARTERY BYPASS GRAFT	48	12.5	5.7	*	14.6	8.4	*	18.7	9.6	*
INITIAL PACEMAKER INSERTION	29	0.0	1.9	*	3.4	3.7	*	3.4	5.3	*
CAROTID ENDARTERECTOMY	14	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION	109	1.8	2.3	2.1	1.8	4.3	2.8	1.8	5.7	3.4
OPEN REDUCTION OF HIP FRACTURE	58	1.7	4.9	4.0	8.6	9.3	5.1	8.6	12.5	5.7
PROSTATECTOMY	167	0.0	0.7	0.8	0.0	1.8	1.5	1.2	3.1	1.6
CHOLECYSTECTOMY	106	1.9	2.3	1.6	1.9	4.1	2.8	2.8	5.6	3.5
HYSTERECTOMY	45	0.0	0.5	*	0.0	1.1	*	2.2	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,544

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.80	26.54	0.36	0.90	0.01	3.95	4.57	0.15	0.87	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.88	0.06	0.91	0.07					
CONGESTIVE HEART FAILURE	1.04	1.56	0.09	0.67	0.04					
PNEUMONIA/INFLUENZA	1.26	1.25	0.08	1.00	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.50	0.05	1.02	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.34	0.04	0.71	0.09					
STROKE	0.67	0.85	0.06	0.77	0.06					
HIP FRACTURE	0.63	0.62	0.05	1.00	0.09					
SEPSIS	0.38	0.34	0.04	1.18	0.15					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.04	1.14	0.15					
CORONARY ARTERY BYPASS GRAFT	0.34	0.39	0.04	0.83	0.10					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.03	1.12	0.19					
CAROTID ENDARTERECTOMY	0.10	0.12	0.03	0.93	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.47	0.05	1.11	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.30	0.04	1.20	0.16					
PROSTATECTOMY	0.92	0.75	0.06	1.20	0.10					
CHOLECYSTECTOMY	0.61	0.43	0.05	1.44	0.16					
HYSTERECTOMY	0.24	0.18	0.03	1.32	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

GREELEY, CO (3060)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,716	7.1	7.6	0.5	11.4	11.9	0.7	14.3	15.1	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	87	21.8	19.3	5.1	21.8	21.9	5.0	24.1	24.2	4.8
CONGESTIVE HEART FAILURE	114	15.8	14.1	4.6	21.9	22.1	4.2	28.9	28.3	4.4
PNEUMONIA/INFLUENZA	127	15.7	13.6	3.3	22.0	19.1	3.9	28.3	22.8	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	42	4.8	7.0	*	19.0	12.9	*	26.2	17.6	*
TRANSIENT CEREBRAL ISCHEMIA	41	2.4	1.4	*	2.4	3.4	*	4.9	5.7	*
STROKE	83	15.7	16.7	4.3	22.9	23.5	4.7	27.7	27.5	6.0
HIP FRACTURE	86	8.1	6.5	3.0	10.5	11.9	3.8	12.8	15.8	5.6
SEPSIS	28	14.3	22.6	*	14.3	29.8	*	21.4	34.6	*
PROCEDURES:										
ANGIOPLASTY	49	12.2	3.8	*	12.2	4.5	*	14.3	5.3	*
CORONARY ARTERY BYPASS GRAFT	49	4.1	6.3	*	4.1	9.0	*	4.1	10.2	*
INITIAL PACEMAKER INSERTION	13	7.7	2.8	*	7.7	5.2	*	7.7	7.6	*
CAROTID ENDARTERECTOMY	5	0.0	1.2	*	0.0	2.2	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	75	2.7	2.3	1.8	4.0	4.3	2.6	4.0	5.8	3.6
OPEN REDUCTION OF HIP FRACTURE	37	8.1	5.8	*	10.8	10.9	*	13.5	14.8	*
PROSTATECTOMY	90	0.0	0.8	1.2	1.1	1.9	1.6	1.1	3.3	2.7
CHOLECYSTECTOMY	77	3.9	2.7	2.5	6.5	5.3	3.8	7.8	7.3	4.8
HYSTERECTOMY	23	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,769

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.85	28.78	0.44	0.93	0.01	4.25	4.63	0.18	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.97	0.08	0.78	0.07					
CONGESTIVE HEART FAILURE	1.41	1.70	0.11	0.83	0.05					
PNEUMONIA/INFLUENZA	1.35	1.52	0.10	0.88	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.63	0.06	0.89	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.37	0.38	0.05	0.97	0.13					
STROKE	0.82	0.92	0.08	0.89	0.08					
HIP FRACTURE	0.64	0.63	0.06	1.02	0.11					
SEPSIS	0.34	0.35	0.05	0.97	0.13					
PROCEDURES:										
ANGIOPLASTY	0.36	0.31	0.05	1.15	0.17					
CORONARY ARTERY BYPASS GRAFT	0.35	0.40	0.05	0.88	0.11					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.04	0.67	0.12					
CAROTID ENDARTERECTOMY	0.02	0.15	0.03	0.13	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.58	0.48	0.06	1.22	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.04	0.94	0.14					
PROSTATECTOMY	0.77	0.78	0.07	0.98	0.09					
CHOLECYSTECTOMY	0.66	0.51	0.06	1.31	0.15					
HYSTERECTOMY	0.19	0.19	0.04	1.01	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

PUEBLO, CO (6560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,305	9.7	8.0	0.5	14.6	12.5	0.7	17.7	16.0	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	119	19.3	22.6	4.6	21.8	25.6	5.3	22.7	28.3	5.7
CONGESTIVE HEART FAILURE	173	14.5	13.9	2.9	24.3	22.1	3.6	31.8	28.2	4.2
PNEUMONIA/INFLUENZA	169	23.1	16.2	4.7	30.2	22.3	5.2	33.7	26.4	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	68	1.5	6.9	4.5	4.4	11.9	6.1	5.9	16.0	7.2
TRANSIENT CEREBRAL ISCHEMIA	76	0.0	1.2	1.9	3.9	2.9	2.2	6.6	5.1	3.1
STROKE	163	20.2	17.7	3.9	23.3	23.8	3.5	27.6	27.4	3.6
HIP FRACTURE	141	5.7	6.8	2.3	14.2	12.0	3.3	17.0	15.7	3.6
SEPSIS	30	36.7	26.0	*	40.0	33.6	*	40.0	38.3	*
PROCEDURES:										
ANGIOPLASTY	54	1.9	3.2	3.2	1.9	4.4	4.0	1.9	5.3	4.3
CORONARY ARTERY BYPASS GRAFT	51	0.0	5.6	4.9	2.0	8.2	6.1	3.9	9.6	6.3
INITIAL PACEMAKER INSERTION	30	3.3	2.4	*	3.3	5.0	*	6.7	7.7	*
CAROTID ENDARTERECTOMY	15	6.7	1.3	*	6.7	2.5	*	13.3	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	116	3.4	3.4	2.5	9.5	6.3	3.8	10.3	8.5	4.0
OPEN REDUCTION OF HIP FRACTURE	57	7.0	5.4	3.9	10.5	9.9	4.1	14.0	13.2	4.5
PROSTATECTOMY	179	0.0	0.7	0.8	1.1	1.7	1.1	1.7	2.9	1.6
CHOLECYSTECTOMY	125	4.0	2.4	2.0	6.4	4.5	2.7	8.0	6.1	2.9
HYSTERECTOMY	38	0.0	0.5	*	0.0	1.2	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,589

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.04	30.51	0.38	0.79	0.01	4.36	4.68	0.15	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	1.00	0.07	0.66	0.04					
CONGESTIVE HEART FAILURE	1.13	1.82	0.09	0.63	0.03					
PNEUMONIA/INFLUENZA	1.04	1.71	0.09	0.61	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.73	0.06	0.63	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.42	0.04	**	**					
STROKE	0.80	0.95	0.07	0.83	0.06					
HIP FRACTURE	0.67	0.62	0.05	1.09	0.09					
SEPSIS	0.20	0.36	0.04	0.54	0.06					
PROCEDURES:										
ANGIOPLASTY	0.28	0.32	0.04	0.84	0.10					
CORONARY ARTERY BYPASS GRAFT	0.25	0.41	0.04	0.59	0.06					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.03	0.61	0.10					
CAROTID ENDARTERECTOMY	0.07	0.16	0.03	0.51	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.45	0.05	1.04	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.04	0.88	0.11					
PROSTATECTOMY	0.74	0.77	0.06	1.01	0.08					
CHOLECYSTECTOMY	0.58	0.54	0.05	1.07	0.10					
HYSTERECTOMY	0.20	0.18	0.03	1.13	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

CO-(NONMSA) (99CO)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12,509	8.8	8.3	0.3	12.9	12.5	0.4	15.7	15.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	449	28.1	23.8	2.0	29.8	26.6	2.2	30.7	29.3	2.2
CONGESTIVE HEART FAILURE	535	12.1	13.9	1.7	18.5	21.9	2.3	22.2	27.9	3.5
PNEUMONIA/INFLUENZA	889	13.7	13.6	1.6	20.0	18.9	2.0	23.4	22.4	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	303	8.9	7.4	2.1	14.2	13.0	3.0	20.5	17.4	3.8
TRANSIENT CEREBRAL ISCHEMIA	152	3.9	1.6	1.8	8.6	3.7	2.8	9.2	6.2	2.5
STROKE	401	19.0	19.3	2.0	26.2	26.2	3.2	29.2	30.4	3.2
HIP FRACTURE	365	7.9	6.4	1.9	12.9	11.6	1.8	14.8	15.3	2.1
SEPSIS	157	18.5	25.6	4.4	24.8	32.7	5.5	31.2	37.2	5.8
PROCEDURES:										
ANGIOPLASTY	26	0.0	2.0	*	0.0	2.8	*	0.0	3.7	*
CORONARY ARTERY BYPASS GRAFT	27	11.1	5.3	*	11.1	7.1	*	11.1	8.0	*
INITIAL PACEMAKER INSERTION	38	2.6	2.6	*	2.6	5.0	*	2.6	7.3	*
CAROTID ENDARTERECTOMY	25	4.0	1.5	*	4.0	2.9	*	8.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	223	3.6	2.8	1.8	6.7	5.4	2.0	8.5	7.5	2.4
OPEN REDUCTION OF HIP FRACTURE	197	7.1	5.7	2.0	10.7	10.6	2.2	11.7	14.3	3.0
PROSTATECTOMY	439	0.7	0.7	0.4	1.1	1.7	0.7	1.6	3.1	0.9
CHOLECYSTECTOMY	317	3.2	2.7	1.2	5.0	5.1	2.2	6.3	6.8	2.3
HYSTERECTOMY	121	0.8	0.5	0.8	1.7	1.2	1.1	3.3	1.9	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 90,347

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.90	28.84	0.18	0.90	0.01	4.32	4.58	0.07	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.98	0.03	0.94	0.03					
CONGESTIVE HEART FAILURE	1.11	1.66	0.04	0.67	0.02					
PNEUMONIA/INFLUENZA	1.49	1.56	0.04	0.96	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.61	0.03	0.96	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.38	0.02	0.74	0.04					
STROKE	0.71	0.92	0.03	0.78	0.03					
HIP FRACTURE	0.62	0.61	0.03	1.03	0.05					
SEPSIS	0.32	0.34	0.02	0.91	0.06					
PROCEDURES:										
ANGIOPLASTY	0.23	0.30	0.02	0.77	0.05					
CORONARY ARTERY BYPASS GRAFT	0.28	0.41	0.02	0.63	0.04					
INITIAL PACEMAKER INSERTION	0.12	0.20	0.01	0.62	0.06					
CAROTID ENDARTERECTOMY	0.07	0.14	0.01	0.40	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.48	0.02	1.06	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.02	1.09	0.08					
PROSTATECTOMY	0.88	0.84	0.03	1.02	0.04					
CHOLECYSTECTOMY	0.54	0.51	0.02	1.08	0.06					
HYSTERECTOMY	0.18	0.19	0.01	0.98	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

BRIDGEPORT-STAMFORD-NORWALK-DANBURY, CT (1163)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18,218	8.8	9.6	0.4	14.2	14.6	0.3	18.0	18.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	626	22.5	24.8	2.5	27.2	28.1	2.2	31.2	30.9	2.4
CONGESTIVE HEART FAILURE	968	12.4	15.4	1.9	22.4	24.0	1.7	29.9	30.2	1.6
PNEUMONIA/INFLUENZA	780	16.9	17.0	1.4	23.3	23.4	1.6	27.3	27.6	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	196	8.7	8.5	2.3	15.8	14.5	2.8	19.9	19.0	4.0
TRANSIENT CEREBRAL ISCHEMIA	256	1.2	1.7	1.0	2.0	3.9	1.6	7.0	6.4	2.9
STROKE	711	17.6	19.9	2.3	25.5	26.7	1.9	30.5	30.4	1.9
HIP FRACTURE	522	4.4	6.8	1.8	8.8	12.1	2.1	14.0	15.6	2.2
SEPSIS	206	22.8	26.3	4.9	31.6	34.8	5.7	37.4	39.8	6.6
PROCEDURES:										
ANGIOPLASTY	268	1.9	2.9	1.4	4.5	4.0	1.8	6.7	5.1	2.1
CORONARY ARTERY BYPASS GRAFT	157	5.7	6.4	3.5	7.0	9.1	3.7	7.6	10.4	4.0
INITIAL PACEMAKER INSERTION	192	1.0	3.1	2.0	5.2	6.4	1.9	8.9	9.3	2.2
CAROTID ENDARTERECTOMY	42	2.4	1.6	*	4.8	2.9	*	4.8	4.2	*
HIP REPLACEMENT/RECONSTRUCTION	342	2.9	3.5	1.1	6.1	6.4	1.5	8.2	8.4	1.8
OPEN REDUCTION OF HIP FRACTURE	273	3.3	6.1	2.0	7.7	11.2	2.6	13.6	14.9	2.7
PROSTATECTOMY	621	1.0	1.2	0.5	2.9	2.7	0.8	4.7	4.4	0.9
CHOLECYSTECTOMY	306	2.6	2.9	1.4	5.2	5.2	1.7	7.5	7.0	1.8
HYSTERECTOMY	141	0.0	1.0	1.1	0.7	2.2	1.5	1.4	3.3	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 119,244

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.89	25.66	0.15	0.85	0.00	4.63	4.48	0.06	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.78	0.03	0.98	0.03					
CONGESTIVE HEART FAILURE	1.37	1.51	0.04	0.91	0.02					
PNEUMONIA/INFLUENZA	0.87	1.07	0.03	0.82	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.39	0.02	0.76	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.37	0.02	0.76	0.04					
STROKE	0.77	0.86	0.03	0.90	0.03					
HIP FRACTURE	0.54	0.63	0.02	0.85	0.03					
SEPSIS	0.26	0.35	0.02	0.73	0.04					
PROCEDURES:										
ANGIOPLASTY	0.32	0.25	0.01	1.26	0.07					
CORONARY ARTERY BYPASS GRAFT	0.29	0.34	0.02	0.83	0.04					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.01	1.07	0.07					
CAROTID ENDARTERECTOMY	0.05	0.08	0.01	0.54	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.44	0.02	0.82	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.31	0.02	0.90	0.05					
PROSTATECTOMY	0.63	0.70	0.02	0.91	0.03					
CHOLECYSTECTOMY	0.31	0.33	0.02	0.92	0.05					
HYSTERECTOMY	0.15	0.16	0.01	0.95	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

HARTFORD-MIDDLETOWN-NEW BRITAIN-BRISTOL, CT (3283)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,135	8.8	9.6	0.2	13.8	14.6	0.2	17.3	18.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,035	22.8	24.9	1.6	27.1	28.1	2.2	29.6	30.9	1.6
CONGESTIVE HEART FAILURE	1,618	13.3	15.0	1.5	22.8	23.7	1.7	29.0	30.0	1.4
PNEUMONIA/INFLUENZA	1,415	15.0	16.9	1.6	21.0	23.1	1.9	24.7	27.2	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	400	9.7	8.9	1.8	17.7	15.5	2.9	24.7	20.3	3.4
TRANSIENT CEREBRAL ISCHEMIA	371	1.3	1.9	0.8	2.7	4.2	1.4	4.9	6.8	1.8
STROKE	1,195	19.3	20.3	1.6	26.9	27.3	1.4	30.7	31.2	1.6
HIP FRACTURE	978	5.9	7.3	1.1	10.6	12.7	1.6	13.3	16.3	1.9
SEPSIS	298	24.5	27.1	3.2	34.6	35.2	3.0	40.3	39.9	3.5
PROCEDURES:										
ANGIOPLASTY	196	3.6	3.0	1.3	3.6	4.0	1.5	4.1	4.9	1.9
CORONARY ARTERY BYPASS GRAFT	526	5.1	6.2	2.1	7.6	9.0	2.1	8.7	10.3	2.0
INITIAL PACEMAKER INSERTION	252	3.2	3.1	1.4	6.7	6.2	2.2	8.3	9.1	2.1
CAROTID ENDARTERECTOMY	79	2.5	1.4	1.7	2.5	2.7	1.9	3.8	4.0	2.3
HIP REPLACEMENT/RECONSTRUCTION	711	2.8	3.8	1.0	5.9	6.8	1.4	7.2	9.1	1.8
OPEN REDUCTION OF HIP FRACTURE	503	6.2	6.8	1.3	10.7	12.3	2.0	13.1	16.2	2.6
PROSTATECTOMY	958	0.7	1.1	0.5	1.5	2.5	1.0	3.4	4.2	0.9
CHOLECYSTECTOMY	587	1.2	2.9	1.3	3.6	5.4	1.2	5.3	7.1	1.5
HYSTERECTOMY	281	0.0	0.8	0.6	0.0	1.8	0.9	0.4	2.8	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 194,259

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.82	24.87	0.11	0.96	0.00	4.44	4.55	0.05	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.77	0.02	1.08	0.03					
CONGESTIVE HEART FAILURE	1.44	1.47	0.03	0.98	0.02					
PNEUMONIA/INFLUENZA	1.03	1.02	0.02	1.01	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.39	0.01	0.93	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.32	0.01	0.86	0.03					
STROKE	0.80	0.83	0.02	0.97	0.02					
HIP FRACTURE	0.62	0.61	0.02	1.02	0.03					
SEPSIS	0.22	0.34	0.01	0.66	0.03					
PROCEDURES:										
ANGIOPLASTY	0.22	0.27	0.01	0.85	0.04					
CORONARY ARTERY BYPASS GRAFT	0.46	0.35	0.01	1.30	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.96	0.05					
CAROTID ENDARTERECTOMY	0.07	0.09	0.01	0.69	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.44	0.01	1.00	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.01	1.04	0.04					
PROSTATECTOMY	0.61	0.70	0.02	0.87	0.02					
CHOLECYSTECTOMY	0.37	0.35	0.01	1.07	0.04					
HYSTERECTOMY	0.15	0.17	0.01	0.90	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

NEW HAVEN-WEST HAVEN-WATERBURY-MERIDEN, CT (5483)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	20,743	8.9	9.6	0.3	14.1	14.5	0.3	17.9	18.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	808	20.4	23.3	2.0	26.0	26.6	1.9	29.2	29.4	1.8
CONGESTIVE HEART FAILURE	957	13.8	15.1	2.2	22.4	23.5	2.3	28.5	29.5	2.4
PNEUMONIA/INFLUENZA	870	19.7	17.2	1.7	27.6	23.6	2.3	31.7	27.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	290	7.6	8.5	1.7	14.5	14.5	2.1	21.4	19.1	2.6
TRANSIENT CEREBRAL ISCHEMIA	260	1.5	1.6	1.0	4.6	3.7	1.7	8.5	6.1	2.7
STROKE	782	17.9	19.4	2.1	25.4	25.6	2.5	29.3	29.3	2.5
HIP FRACTURE	593	5.7	6.1	1.7	9.6	10.8	1.4	13.5	14.2	1.8
SEPSIS	188	21.8	22.9	5.0	29.8	30.4	7.1	34.0	34.9	6.4
PROCEDURES:										
ANGIOPLASTY	300	2.3	3.0	1.2	3.3	4.1	1.5	4.0	5.2	1.8
CORONARY ARTERY BYPASS GRAFT	397	6.3	6.1	1.6	8.3	8.8	1.6	9.6	10.0	1.6
INITIAL PACEMAKER INSERTION	190	2.6	3.4	1.7	6.3	6.4	2.5	6.8	9.0	2.9
CAROTID ENDARTERECTOMY	81	1.2	1.7	1.6	2.5	3.3	2.3	2.5	5.0	3.2
HIP REPLACEMENT/RECONSTRUCTION	402	2.0	2.7	1.1	4.0	5.1	1.3	6.0	7.1	1.5
OPEN REDUCTION OF HIP FRACTURE	353	5.1	5.5	1.8	9.1	10.3	1.8	13.0	13.8	2.5
PROSTATECTOMY	539	0.2	1.2	0.9	1.1	2.7	1.5	3.9	4.5	1.5
CHOLECYSTECTOMY	466	1.9	3.0	1.3	5.6	5.7	1.5	7.5	7.7	1.5
HYSTERECTOMY	184	0.5	1.6	1.0	1.6	3.5	1.5	3.3	5.4	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 129,783

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.05	26.27	0.14	0.80	0.00	4.57	4.63	0.06	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.82	0.02	1.04	0.03					
CONGESTIVE HEART FAILURE	1.31	1.60	0.03	0.82	0.02					
PNEUMONIA/INFLUENZA	0.91	1.11	0.03	0.82	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.33	0.44	0.02	0.75	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.35	0.02	0.70	0.03					
STROKE	0.71	0.87	0.03	0.81	0.02					
HIP FRACTURE	0.55	0.63	0.02	0.88	0.03					
SEPSIS	0.21	0.36	0.02	0.59	0.03					
PROCEDURES:										
ANGIOPLASTY	0.37	0.28	0.01	1.34	0.07					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.02	0.98	0.04					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.89	0.05					
CAROTID ENDARTERECTOMY	0.08	0.11	0.01	0.77	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.46	0.02	0.78	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.01	1.04	0.05					
PROSTATECTOMY	0.49	0.72	0.02	0.69	0.02					
CHOLECYSTECTOMY	0.41	0.38	0.02	1.07	0.05					
HYSTERECTOMY	0.14	0.17	0.01	0.81	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

NEW LONDON-NORWICH, CT (5523)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,513	10.0	9.7	0.5	15.2	14.7	0.7	19.1	18.2	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	139	20.9	23.0	4.8	28.8	26.4	4.5	33.1	29.2	5.0
CONGESTIVE HEART FAILURE	242	14.9	15.0	2.3	24.8	23.8	3.4	35.1	30.2	3.9
PNEUMONIA/INFLUENZA	286	19.6	16.4	4.5	25.5	22.8	5.6	29.0	26.7	5.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	55	12.7	6.5	7.1	16.4	11.4	7.3	18.2	15.5	7.0
TRANSIENT CEREBRAL ISCHEMIA	57	0.0	1.8	2.2	0.0	4.0	4.1	1.8	6.5	4.7
STROKE	206	18.4	18.2	2.8	25.2	24.8	3.1	29.1	28.6	3.2
HIP FRACTURE	139	6.5	6.4	2.3	10.1	11.4	3.0	15.1	15.0	3.1
SEPSIS	38	18.4	28.4	*	23.7	35.6	*	23.7	40.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	30	3.3	2.8	*	3.3	5.6	*	3.3	8.3	*
CAROTID ENDARTERECTOMY	13	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	105	3.8	3.2	2.5	7.6	5.9	3.1	9.5	8.0	3.6
OPEN REDUCTION OF HIP FRACTURE	54	5.6	5.9	4.6	7.4	10.8	5.5	11.1	14.5	6.6
PROSTATECTOMY	138	0.7	0.8	0.9	0.7	2.0	1.6	1.4	3.4	2.4
CHOLECYSTECTOMY	82	1.2	2.4	1.9	4.9	4.5	3.4	4.9	6.1	3.9
HYSTERECTOMY	41	2.4	0.8	*	2.4	1.8	*	2.4	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 34,245

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.76	26.23	0.28	0.87	0.01	4.73	4.56	0.11	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.84	0.05	0.87	0.05					
CONGESTIVE HEART FAILURE	1.41	1.58	0.07	0.88	0.04					
PNEUMONIA/INFLUENZA	1.25	1.13	0.06	1.10	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.46	0.04	0.70	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.35	0.03	0.80	0.08					
STROKE	0.82	0.85	0.05	0.96	0.06					
HIP FRACTURE	0.58	0.61	0.04	0.95	0.07					
SEPSIS	0.25	0.35	0.03	0.69	0.07					
PROCEDURES:										
ANGIOPLASTY	0.20	0.29	0.03	0.60	0.06					
CORONARY ARTERY BYPASS GRAFT	0.32	0.39	0.03	0.82	0.07					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.02	0.72	0.10					
CAROTID ENDARTERECTOMY	0.04	0.11	0.02	0.25	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.46	0.04	0.95	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.03	0.86	0.09					
PROSTATECTOMY	0.55	0.73	0.05	0.76	0.05					
CHOLECYSTECTOMY	0.39	0.40	0.03	0.94	0.08					
HYSTERECTOMY	0.19	0.18	0.02	1.05	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

CT-(NONMSA) (99CT)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,461	9.1	9.1	0.6	13.1	13.9	1.0	16.4	17.5	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	87	24.1	25.4	5.0	29.9	28.7	4.9	34.5	31.7	5.2
CONGESTIVE HEART FAILURE	131	13.0	14.4	3.9	21.4	22.8	3.9	29.0	29.1	4.2
PNEUMONIA/INFLUENZA	174	16.7	14.4	3.3	20.7	20.4	3.2	22.4	24.0	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	61	8.2	7.1	3.4	13.1	12.6	4.3	13.1	16.8	5.2
TRANSIENT CEREBRAL ISCHEMIA	34	0.0	1.5	*	0.0	3.4	*	5.9	5.5	*
STROKE	99	21.2	20.1	4.5	27.3	26.2	6.0	30.3	30.0	5.9
HIP FRACTURE	66	9.1	6.7	3.7	12.1	12.1	4.1	13.6	15.6	5.4
SEPSIS	17	23.5	26.0	*	23.5	32.8	*	23.5	36.7	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	19	0.0	4.7	*	0.0	8.9	*	5.3	12.7	*
CAROTID ENDARTERECTOMY	7	0.0	2.2	*	0.0	3.7	*	0.0	5.4	*
HIP REPLACEMENT/RECONSTRUCTION	36	8.3	3.8	*	8.3	7.6	*	8.3	10.7	*
OPEN REDUCTION OF HIP FRACTURE	32	3.1	6.0	*	6.3	11.0	*	9.4	14.5	*
PROSTATECTOMY	75	2.7	1.2	2.0	4.0	2.8	2.4	5.3	4.7	2.6
CHOLECYSTECTOMY	50	4.0	2.1	*	4.0	3.8	*	4.0	5.0	*
HYSTERECTOMY	23	0.0	1.1	*	0.0	1.9	*	0.0	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,459

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.25	27.43	0.42	0.89	0.01	4.41	4.71	0.17	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.88	0.08	1.04	0.09					
CONGESTIVE HEART FAILURE	1.55	1.63	0.10	0.97	0.06					
PNEUMONIA/INFLUENZA	1.25	1.29	0.09	1.00	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.50	0.06	1.28	0.16					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.36	0.05	0.80	0.12					
STROKE	0.85	0.87	0.08	1.02	0.09					
HIP FRACTURE	0.56	0.64	0.06	0.90	0.10					
SEPSIS	0.19	0.33	0.05	0.55	0.09					
PROCEDURES:										
ANGIOPLASTY	0.08	0.26	0.04	0.41	0.08					
CORONARY ARTERY BYPASS GRAFT	0.41	0.37	0.05	1.07	0.16					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.04	0.77	0.18					
CAROTID ENDARTERECTOMY	0.08	0.11	0.03	0.30	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.29	0.47	0.06	0.71	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.31	0.04	0.97	0.17					
PROSTATECTOMY	0.65	0.70	0.07	0.92	0.09					
CHOLECYSTECTOMY	0.36	0.44	0.05	0.87	0.12					
HYSTERECTOMY	0.18	0.18	0.03	0.91	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON, DC-MD-VA (8840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	57,343	8.4	8.8	0.1	13.6	13.6	0.2	17.2	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,302	22.5	25.2	1.4	27.7	28.2	1.5	31.0	30.9	1.7
CONGESTIVE HEART FAILURE	2,816	12.4	14.2	1.0	20.3	22.6	1.1	26.9	28.7	1.0
PNEUMONIA/INFLUENZA	2,124	15.1	16.0	1.0	22.2	21.9	0.9	26.3	25.8	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	788	10.0	9.1	1.3	17.9	15.7	2.1	23.6	20.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	765	1.7	1.8	1.0	2.6	4.0	1.0	4.3	6.4	1.4
STROKE	2,152	19.3	20.1	1.5	25.7	26.5	1.2	29.6	30.2	1.3
HIP FRACTURE	1,413	5.8	6.4	1.0	10.7	11.5	1.4	14.0	14.9	1.6
SEPSIS	744	26.1	26.2	1.7	36.8	34.5	2.2	41.9	39.2	2.3
PROCEDURES:										
ANGIOPLASTY	569	3.0	2.6	0.7	3.9	3.6	0.9	6.5	4.6	1.3
CORONARY ARTERY BYPASS GRAFT	673	5.5	5.1	0.9	7.7	7.4	1.4	8.3	8.5	1.3
INITIAL PACEMAKER INSERTION	345	3.8	3.1	1.1	7.5	6.1	1.8	10.7	8.8	2.2
CAROTID ENDARTERECTOMY	156	1.9	1.2	1.8	3.2	2.3	2.0	4.5	3.4	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,105	1.9	3.1	0.8	4.4	5.7	1.1	6.2	7.7	1.1
OPEN REDUCTION OF HIP FRACTURE	675	6.2	5.9	1.2	11.3	11.0	1.3	14.2	14.6	1.5
PROSTATECTOMY	1,712	0.8	1.0	0.5	2.9	2.3	0.6	4.3	3.8	0.6
CHOLECYSTECTOMY	802	3.6	2.7	1.2	5.5	4.9	1.4	7.2	6.4	1.4
HYSTERECTOMY	439	1.4	0.6	1.2	1.4	1.5	0.9	2.3	2.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 350,190

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.14	25.43	0.08	1.07	0.00	4.54	4.61	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.69	0.01	0.91	0.02					
CONGESTIVE HEART FAILURE	1.68	1.60	0.02	1.05	0.01					
PNEUMONIA/INFLUENZA	1.02	0.90	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.36	0.01	1.18	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.34	0.01	0.98	0.03					
STROKE	0.90	0.90	0.02	**	**					
HIP FRACTURE	0.55	0.53	0.01	1.04	0.02					
SEPSIS	0.39	0.41	0.01	0.96	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.19	0.04					
CORONARY ARTERY BYPASS GRAFT	0.30	0.32	0.01	0.96	0.03					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.76	0.03					
CAROTID ENDARTERECTOMY	0.08	0.07	0.00	1.10	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.37	0.01	1.08	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.27	0.01	0.98	0.03					
PROSTATECTOMY	0.66	0.67	0.01	0.99	0.02					
CHOLECYSTECTOMY	0.31	0.30	0.01	1.05	0.03					
HYSTERECTOMY	0.15	0.15	0.01	1.03	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, DE-NJ-MD (9160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	14,021	8.4	9.0	0.3	13.3	13.6	0.3	17.2	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	503	22.7	24.8	4.0	26.2	28.0	3.9	30.6	30.9	3.7
CONGESTIVE HEART FAILURE	748	13.4	13.8	1.4	21.5	22.0	1.9	27.8	28.0	2.6
PNEUMONIA/INFLUENZA	541	14.4	15.5	1.6	18.1	21.2	2.0	21.6	24.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	192	5.7	8.3	3.3	14.1	14.6	3.2	19.3	19.3	3.0
TRANSIENT CEREBRAL ISCHEMIA	209	1.4	1.8	1.0	4.3	4.1	1.6	6.7	6.6	2.3
STROKE	535	20.6	20.3	1.8	26.9	26.4	2.1	31.4	30.0	2.5
HIP FRACTURE	334	7.8	6.6	2.1	12.3	11.7	2.1	15.6	15.2	2.1
SEPSIS	217	28.1	26.9	4.2	37.8	35.2	5.3	43.3	39.9	6.1
PROCEDURES:										
ANGIOPLASTY	119	0.0	2.9	2.0	0.8	4.0	2.4	1.7	5.0	2.8
CORONARY ARTERY BYPASS GRAFT	166	4.8	6.6	2.5	8.4	9.4	2.4	10.2	10.6	2.5
INITIAL PACEMAKER INSERTION	100	3.0	3.3	1.8	7.0	6.4	2.6	17.0	9.0	5.9
CAROTID ENDARTERECTOMY	55	1.8	1.3	1.8	5.5	2.4	3.4	5.5	3.5	3.8
HIP REPLACEMENT/RECONSTRUCTION	257	5.1	3.3	1.5	7.8	6.1	1.8	10.5	8.2	2.3
OPEN REDUCTION OF HIP FRACTURE	173	7.5	6.1	2.0	11.0	11.1	2.4	13.9	14.6	2.9
PROSTATECTOMY	473	0.6	0.9	0.5	1.5	2.1	0.9	2.3	3.5	1.3
CHOLECYSTECTOMY	257	2.3	2.6	1.3	5.8	4.8	2.0	7.8	6.6	2.6
HYSTERECTOMY	108	3.7	0.6	3.2	3.7	1.3	2.4	4.6	2.0	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 74,848

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.85	26.66	0.19	1.08	0.01	4.71	4.51	0.08	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.80	0.03	1.31	0.05					
CONGESTIVE HEART FAILURE	1.80	1.64	0.05	1.10	0.03					
PNEUMONIA/INFLUENZA	1.06	1.07	0.04	1.00	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.47	0.02	1.11	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.36	0.02	1.14	0.07					
STROKE	0.98	0.89	0.03	1.09	0.04					
HIP FRACTURE	0.57	0.54	0.03	1.03	0.05					
SEPSIS	0.44	0.39	0.02	1.13	0.07					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.02	0.86	0.06					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.03	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.91	0.08					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	1.07	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.40	0.02	1.11	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.28	0.02	0.98	0.07					
PROSTATECTOMY	0.83	0.72	0.03	1.15	0.05					
CHOLECYSTECTOMY	0.45	0.39	0.02	1.15	0.07					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

DE-(NONMSA) (99DE)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	6,233	9.7	9.0	0.5	14.1	13.6	0.6	17.5	16.9	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	225	30.7	26.5	4.2	32.4	29.5	4.0	35.1	32.4	3.7
CONGESTIVE HEART FAILURE	321	17.4	14.0	2.8	23.7	22.1	2.5	30.5	28.3	3.0
PNEUMONIA/INFLUENZA	290	15.5	14.2	2.3	20.0	19.6	2.4	23.8	23.3	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	123	10.6	7.4	3.7	15.4	12.7	4.3	18.7	17.0	4.2
TRANSIENT CEREBRAL ISCHEMIA	104	1.9	1.5	1.6	1.9	3.4	2.5	1.9	5.6	4.0
STROKE	224	21.9	18.2	4.9	28.1	24.1	6.0	31.3	27.7	6.5
HIP FRACTURE	148	8.8	6.0	3.9	14.2	10.7	6.1	17.6	13.9	6.5
SEPSIS	89	21.3	24.1	7.6	29.2	31.8	11.4	33.7	36.5	9.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	6									
INITIAL PACEMAKER INSERTION	54	13.0	4.4	4.8	16.7	8.3	5.5	16.7	11.4	4.9
CAROTID ENDARTERECTOMY	22	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	101	3.0	2.8	1.7	4.0	5.2	2.4	5.9	7.1	3.1
OPEN REDUCTION OF HIP FRACTURE	82	11.0	5.7	4.3	18.3	10.5	6.3	20.7	13.9	7.2
PROSTATECTOMY	256	0.4	1.0	0.8	2.0	2.3	1.1	2.3	3.9	1.8
CHOLECYSTECTOMY	107	2.8	2.4	1.5	4.7	4.1	2.1	4.7	5.2	3.8
HYSTERECTOMY	40	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,065

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.20	28.64	0.28	1.09	0.01	4.66	4.46	0.11	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.11	0.88	0.05	1.26	0.07					
CONGESTIVE HEART FAILURE	1.91	1.76	0.07	1.10	0.04					
PNEUMONIA/INFLUENZA	1.19	1.27	0.06	0.94	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.58	0.04	1.09	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.39	0.03	1.24	0.11					
STROKE	0.88	0.95	0.05	0.93	0.05					
HIP FRACTURE	0.50	0.53	0.04	0.93	0.07					
SEPSIS	0.43	0.39	0.03	1.07	0.09					
PROCEDURES:										
ANGIOPLASTY	0.32	0.30	0.03	1.01	0.10					
CORONARY ARTERY BYPASS GRAFT	0.35	0.42	0.03	0.89	0.08					
INITIAL PACEMAKER INSERTION	0.27	0.20	0.02	1.34	0.17					
CAROTID ENDARTERECTOMY	0.22	0.13	0.02	1.68	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.39	0.03	1.06	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.26	0.03	0.96	0.11					
PROSTATECTOMY	0.88	0.77	0.05	1.16	0.07					
CHOLECYSTECTOMY	0.45	0.46	0.04	1.00	0.08					
HYSTERECTOMY	0.15	0.17	0.02	0.84	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

BRADENTON, FL (1140)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,332	10.3	10.6	0.5	15.7	15.7	0.8	19.3	19.3	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	316	23.7	29.9	4.7	28.5	32.8	4.9	31.6	35.6	4.8
CONGESTIVE HEART FAILURE	445	13.7	14.6	2.4	22.9	22.8	2.3	29.9	28.8	2.3
PNEUMONIA/INFLUENZA	288	18.4	17.9	2.7	24.0	24.6	2.6	27.1	28.8	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	87	10.3	9.5	5.0	19.5	15.9	6.3	24.1	20.6	6.5
TRANSIENT CEREBRAL ISCHEMIA	129	2.3	1.9	1.5	4.7	4.2	2.3	7.0	6.7	2.4
STROKE	331	22.1	22.7	2.7	26.9	28.7	2.7	30.8	32.4	2.8
HIP FRACTURE	268	9.0	7.8	1.9	14.6	13.3	2.5	19.0	16.9	3.0
SEPSIS	172	23.3	24.7	5.9	33.7	33.4	6.6	38.4	38.5	4.9
PROCEDURES:										
ANGIOPLASTY	96	2.1	4.6	3.6	2.1	5.7	4.2	4.2	6.8	4.5
CORONARY ARTERY BYPASS GRAFT	196	3.1	6.6	2.7	6.1	9.0	2.8	7.1	10.0	2.8
INITIAL PACEMAKER INSERTION	88	4.5	2.8	2.9	9.1	5.7	4.7	11.4	8.6	5.0
CAROTID ENDARTERECTOMY	23	0.0	1.6	*	0.0	3.0	*	0.0	4.6	*
HIP REPLACEMENT/RECONSTRUCTION	192	4.7	3.7	1.6	7.8	6.5	2.1	8.9	8.6	2.1
OPEN REDUCTION OF HIP FRACTURE	134	7.5	7.2	2.7	12.7	12.9	2.9	18.7	16.7	3.6
PROSTATECTOMY	227	0.4	0.9	0.7	1.3	2.1	1.0	2.2	3.7	1.5
CHOLECYSTECTOMY	203	1.5	2.7	1.4	3.0	4.8	2.1	3.0	6.1	2.6
HYSTERECTOMY	99	1.0	0.5	1.0	1.0	1.1	1.4	2.0	1.7	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 52,465

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.52	26.42	0.22	0.85	0.01	4.26	4.49	0.09	0.95	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.89	0.04	0.90	0.04					
CONGESTIVE HEART FAILURE	1.33	1.57	0.05	0.85	0.03					
PNEUMONIA/INFLUENZA	0.72	1.22	0.05	0.59	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.47	0.03	0.57	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.35	0.03	0.90	0.07					
STROKE	0.80	0.90	0.04	0.89	0.04					
HIP FRACTURE	0.63	0.61	0.03	1.03	0.06					
SEPSIS	0.47	0.35	0.03	1.34	0.10					
PROCEDURES:										
ANGIOPLASTY	0.28	0.31	0.02	0.93	0.07					
CORONARY ARTERY BYPASS GRAFT	0.53	0.41	0.03	1.29	0.09					
INITIAL PACEMAKER INSERTION	0.22	0.22	0.02	1.03	0.10					
CAROTID ENDARTERECTOMY	0.09	0.13	0.02	0.71	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.49	0.03	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.02	1.06	0.09					
PROSTATECTOMY	0.59	0.86	0.04	0.68	0.03					
CHOLECYSTECTOMY	0.43	0.44	0.03	0.98	0.06					
HYSTERECTOMY	0.23	0.19	0.02	1.25	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

DAYTONA BEACH, FL (2020)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	10,856	9.9	10.3	0.4	14.7	15.0	0.4	18.3	18.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	397	24.7	25.2	2.4	30.0	28.1	2.7	32.7	30.8	2.8
CONGESTIVE HEART FAILURE	494	13.8	14.2	1.7	22.9	22.4	1.9	28.1	28.5	2.1
PNEUMONIA/INFLUENZA	301	16.9	15.1	2.3	21.3	20.7	2.4	23.9	24.7	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	134	3.7	8.0	2.8	7.5	13.7	3.7	11.9	17.9	4.0
TRANSIENT CEREBRAL ISCHEMIA	124	0.8	1.7	1.4	2.4	3.8	2.2	7.3	6.2	2.4
STROKE	469	17.9	19.9	2.9	23.9	26.2	2.6	29.0	29.9	2.3
HIP FRACTURE	377	6.1	6.1	1.5	10.1	10.8	1.8	13.5	14.2	1.9
SEPSIS	298	23.2	32.8	3.8	33.9	41.1	3.2	41.6	46.0	3.9
PROCEDURES:										
ANGIOPLASTY	140	1.4	1.7	1.5	1.4	2.3	1.7	1.4	3.0	2.1
CORONARY ARTERY BYPASS GRAFT	123	4.9	4.4	2.1	4.9	6.1	2.5	5.7	6.9	2.6
INITIAL PACEMAKER INSERTION	134	4.5	3.5	1.8	9.0	6.7	2.9	13.4	9.5	4.2
CAROTID ENDARTERECTOMY	91	3.3	1.4	2.7	3.3	2.7	3.8	5.5	4.1	4.2
HIP REPLACEMENT/RECONSTRUCTION	241	3.3	3.0	1.3	5.8	5.5	1.5	9.1	7.4	2.1
OPEN REDUCTION OF HIP FRACTURE	202	6.4	5.7	1.8	9.4	10.3	2.3	11.9	13.7	2.9
PROSTATECTOMY	673	0.4	0.8	0.5	1.0	1.9	0.9	1.9	3.2	1.3
CHOLECYSTECTOMY	273	2.2	2.5	1.7	5.9	4.8	2.1	8.8	6.4	2.7
HYSTERECTOMY	111	0.9	0.4	1.0	0.9	0.9	1.1	0.9	1.5	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 89,443

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	18.70	27.55	0.18	0.68	0.00	4.23	4.47	0.07	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.66	0.92	0.03	0.71	0.02					
CONGESTIVE HEART FAILURE	0.98	1.66	0.04	0.59	0.01					
PNEUMONIA/INFLUENZA	0.54	1.30	0.04	0.41	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.26	0.56	0.02	0.48	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.36	0.02	0.61	0.03					
STROKE	0.72	0.92	0.03	0.78	0.03					
HIP FRACTURE	0.55	0.57	0.02	0.97	0.04					
SEPSIS	0.54	0.37	0.02	1.48	0.08					
PROCEDURES:										
ANGIOPLASTY	0.30	0.32	0.02	0.92	0.05					
CORONARY ARTERY BYPASS GRAFT	0.31	0.42	0.02	0.73	0.04					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.01	0.93	0.07					
CAROTID ENDARTERECTOMY	0.14	0.15	0.01	0.89	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.45	0.02	0.84	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.28	0.02	1.06	0.07					
PROSTATECTOMY	0.90	0.84	0.03	1.07	0.04					
CHOLECYSTECTOMY	0.41	0.47	0.02	0.87	0.04					
HYSTERECTOMY	0.15	0.19	0.01	0.81	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

FORT LAUDERDALE-HOLLYWOOD-POMPANO BEACH, FL (2680)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	36,078	9.6	9.9	0.2	15.2	14.9	0.3	19.0	18.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,328	26.1	25.0	2.1	30.3	28.4	2.2	33.4	31.3	2.3
CONGESTIVE HEART FAILURE	2,060	15.0	15.2	0.8	26.1	24.0	1.2	32.9	30.4	1.3
PNEUMONIA/INFLUENZA	1,030	13.4	15.6	1.7	19.5	21.3	1.5	23.3	25.1	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	698	8.9	8.9	1.1	15.2	15.2	1.4	19.1	19.8	1.6
TRANSIENT CEREBRAL ISCHEMIA	548	1.1	1.8	1.0	3.1	4.1	1.6	5.8	6.7	2.1
STROKE	1,402	17.7	21.3	1.5	25.2	27.6	1.7	28.5	31.3	1.5
HIP FRACTURE	1,160	6.6	6.9	0.9	14.1	12.1	1.3	17.8	15.6	1.5
SEPSIS	642	23.4	26.3	2.5	34.3	34.8	2.6	38.9	39.8	2.3
PROCEDURES:										
ANGIOPLASTY	524	2.1	2.6	0.8	3.4	3.5	1.0	4.2	4.4	1.3
CORONARY ARTERY BYPASS GRAFT	786	5.5	5.9	1.0	6.7	8.5	1.3	7.4	9.5	1.4
INITIAL PACEMAKER INSERTION	498	3.0	3.2	1.1	5.6	6.2	1.3	8.0	8.9	1.5
CAROTID ENDARTERECTOMY	101	1.0	1.5	1.2	1.0	2.7	1.9	4.0	4.1	2.4
HIP REPLACEMENT/RECONSTRUCTION	770	3.2	3.5	0.7	7.1	6.5	0.9	9.6	8.7	1.2
OPEN REDUCTION OF HIP FRACTURE	676	6.2	6.4	1.7	14.6	11.6	1.9	18.2	15.3	2.3
PROSTATECTOMY	1,179	1.4	1.1	0.4	3.4	2.5	0.8	5.1	4.2	0.9
CHOLECYSTECTOMY	582	3.1	3.4	0.8	4.0	6.1	1.5	5.5	8.0	1.7
HYSTERECTOMY	310	1.0	0.7	0.9	1.0	1.6	0.8	2.3	2.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 259,828

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.55	24.35	0.10	0.88	0.00	4.45	4.55	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.79	0.02	**	**					
CONGESTIVE HEART FAILURE	1.42	1.45	0.02	0.98	0.02					
PNEUMONIA/INFLUENZA	0.58	1.00	0.02	0.58	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.36	0.01	1.11	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.30	0.01	0.92	0.03					
STROKE	0.76	0.86	0.02	0.88	0.02					
HIP FRACTURE	0.58	0.61	0.01	0.94	0.02					
SEPSIS	0.39	0.35	0.01	1.12	0.04					
PROCEDURES:										
ANGIOPLASTY	0.29	0.28	0.01	1.01	0.04					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.01	**	**					
INITIAL PACEMAKER INSERTION	0.28	0.22	0.01	1.27	0.05					
CAROTID ENDARTERECTOMY	0.06	0.10	0.01	0.56	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.48	0.01	0.76	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.31	0.01	1.07	0.04					
PROSTATECTOMY	0.60	0.81	0.02	0.74	0.02					
CHOLECYSTECTOMY	0.29	0.37	0.01	0.79	0.03					
HYSTERECTOMY	0.16	0.18	0.01	0.88	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

FORT MYERS, FL (2700)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,083	8.4	8.0	0.3	12.3	12.3	0.3	15.2	15.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	475	26.7	22.5	2.8	29.7	25.5	2.9	30.9	28.1	2.5
CONGESTIVE HEART FAILURE	640	14.5	14.0	1.5	21.4	22.1	1.8	28.4	28.3	1.8
PNEUMONIA/INFLUENZA	403	13.9	14.9	1.8	17.6	20.5	2.5	22.6	24.3	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	308	7.8	8.0	1.9	14.0	13.6	2.2	18.2	17.9	2.5
TRANSIENT CEREBRAL ISCHEMIA	136	0.7	1.7	1.3	1.5	3.9	2.1	2.2	6.4	3.1
STROKE	499	18.4	19.6	1.8	22.4	25.6	2.3	24.6	29.2	2.5
HIP FRACTURE	350	7.4	7.0	1.5	12.3	12.3	1.8	14.0	15.8	2.4
SEPSIS	137	22.6	21.7	3.7	27.0	28.5	4.1	32.1	32.8	4.3
PROCEDURES:										
ANGIOPLASTY	186	2.7	3.1	1.4	2.7	4.0	1.6	2.7	4.9	2.0
CORONARY ARTERY BYPASS GRAFT	369	4.6	5.2	1.8	5.4	7.4	2.3	6.0	8.4	2.5
INITIAL PACEMAKER INSERTION	132	4.5	2.5	2.3	7.6	5.0	2.8	9.1	7.4	3.6
CAROTID ENDARTERECTOMY	87	2.3	1.5	2.0	4.6	2.8	2.5	4.6	4.1	2.9
HIP REPLACEMENT/RECONSTRUCTION	314	2.5	2.6	1.1	3.8	4.8	1.7	5.7	6.6	1.9
OPEN REDUCTION OF HIP FRACTURE	184	6.0	6.3	2.8	13.6	11.3	2.9	14.1	14.7	2.7
PROSTATECTOMY	608	0.8	0.9	0.4	2.0	2.1	0.7	2.5	3.7	1.3
CHOLECYSTECTOMY	281	1.8	2.5	1.2	3.2	4.4	2.0	4.6	5.8	2.5
HYSTERECTOMY	103	1.0	0.5	0.8	1.9	1.2	1.3	1.9	2.0	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 82,583

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.19	25.16	0.17	0.92	0.01	3.83	4.13	0.07	0.93	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.86	0.03	0.83	0.03					
CONGESTIVE HEART FAILURE	1.24	1.46	0.04	0.86	0.02					
PNEUMONIA/INFLUENZA	0.69	1.09	0.04	0.63	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.49	0.02	1.11	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.33	0.02	0.72	0.04					
STROKE	0.76	0.83	0.03	0.91	0.03					
HIP FRACTURE	0.50	0.51	0.02	0.97	0.05					
SEPSIS	0.27	0.33	0.02	0.81	0.05					
PROCEDURES:										
ANGIOPLASTY	0.28	0.35	0.02	0.80	0.05					
CORONARY ARTERY BYPASS GRAFT	0.46	0.45	0.02	1.02	0.05					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.02	1.04	0.08					
CAROTID ENDARTERECTOMY	0.15	0.15	0.01	1.03	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.45	0.02	1.04	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.26	0.02	0.97	0.07					
PROSTATECTOMY	0.90	0.89	0.03	1.00	0.04					
CHOLECYSTECTOMY	0.41	0.44	0.02	0.92	0.05					
HYSTERECTOMY	0.16	0.18	0.01	0.86	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

FORT PIERCE, FL (2710)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,521	8.5	9.3	0.5	13.8	13.9	0.6	17.2	17.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	300	22.7	24.6	2.9	27.3	27.8	2.7	30.3	30.6	2.7
CONGESTIVE HEART FAILURE	387	17.1	14.4	2.1	24.0	22.5	2.5	28.7	28.5	2.7
PNEUMONIA/INFLUENZA	214	15.9	16.6	2.9	29.0	22.7	5.8	30.4	26.7	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	104	11.5	10.0	3.5	18.3	16.8	4.3	21.2	21.4	4.1
TRANSIENT CEREBRAL ISCHEMIA	159	1.3	2.1	1.3	3.8	4.6	2.4	4.4	7.3	3.8
STROKE	293	19.5	21.7	3.2	25.3	28.2	4.0	29.4	31.9	3.4
HIP FRACTURE	199	5.5	7.2	2.6	11.6	12.5	2.5	16.6	16.1	2.6
SEPSIS	103	22.3	29.0	5.6	35.0	36.7	5.6	39.8	41.5	5.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	1	0.0	4.3	*	0.0	7.5	*	0.0	8.7	*
INITIAL PACEMAKER INSERTION	127	1.6	4.5	3.3	4.7	8.4	4.8	8.7	11.7	5.5
CAROTID ENDARTERECTOMY	46	4.3	1.9	*	4.3	3.5	*	4.3	5.0	*
HIP REPLACEMENT/RECONSTRUCTION	172	3.5	3.2	1.5	6.4	5.9	1.9	8.7	7.8	2.3
OPEN REDUCTION OF HIP FRACTURE	93	4.3	6.7	3.3	12.9	12.1	3.5	15.1	16.0	3.9
PROSTATECTOMY	395	0.3	0.9	0.7	2.3	2.1	1.0	3.3	3.5	1.1
CHOLECYSTECTOMY	157	0.6	3.2	2.6	3.8	5.7	3.5	5.1	7.6	3.9
HYSTERECTOMY	97	1.0	0.6	0.9	1.0	1.3	1.3	4.1	2.1	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 57,568

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.26	25.16	0.21	0.89	0.01	3.91	4.06	0.08	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.85	0.04	0.92	0.04					
CONGESTIVE HEART FAILURE	1.21	1.47	0.05	0.83	0.03					
PNEUMONIA/INFLUENZA	0.56	1.05	0.04	0.54	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.48	0.03	0.74	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.34	0.02	1.15	0.08					
STROKE	0.72	0.84	0.04	0.86	0.04					
HIP FRACTURE	0.47	0.48	0.03	0.97	0.06					
SEPSIS	0.33	0.34	0.02	0.99	0.07					
PROCEDURES:										
ANGIOPLASTY	0.28	0.35	0.02	0.82	0.06					
CORONARY ARTERY BYPASS GRAFT	0.43	0.46	0.03	0.96	0.06					
INITIAL PACEMAKER INSERTION	0.28	0.21	0.02	1.32	0.13					
CAROTID ENDARTERECTOMY	0.12	0.15	0.02	0.80	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.43	0.03	1.07	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.25	0.02	0.87	0.08					
PROSTATECTOMY	0.98	0.89	0.04	1.09	0.05					
CHOLECYSTECTOMY	0.37	0.44	0.03	0.85	0.05					
HYSTERECTOMY	0.22	0.18	0.02	1.18	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

FORT WALTON BEACH, FL (2750)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,791	9.0	8.7	0.6	12.9	13.2	0.7	16.0	16.4	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	94	33.0	22.7	6.0	36.2	26.0	6.1	37.2	28.9	5.8
CONGESTIVE HEART FAILURE	145	11.0	12.5	4.4	18.6	20.4	4.9	23.4	26.5	5.2
PNEUMONIA/INFLUENZA	113	14.2	10.9	4.6	15.0	15.0	4.9	18.6	18.0	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	67	7.5	7.1	3.3	17.9	12.7	6.0	20.9	16.8	7.8
TRANSIENT CEREBRAL ISCHEMIA	35	0.0	1.4	*	2.9	3.1	*	2.9	4.8	*
STROKE	96	14.6	16.3	4.0	19.8	21.7	4.5	27.1	25.1	5.0
HIP FRACTURE	84	7.1	5.5	2.7	7.1	9.9	3.8	9.5	13.0	4.7
SEPSIS	62	24.2	26.8	6.8	27.4	33.6	8.3	29.0	38.1	8.9
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	24	4.2	5.6	*	8.3	9.4	*	8.3	12.4	*
CAROTID ENDARTERECTOMY	8	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	43	7.0	4.1	*	7.0	7.7	*	7.0	10.3	*
OPEN REDUCTION OF HIP FRACTURE	55	9.1	4.6	6.1	9.1	8.6	5.3	12.7	11.6	5.0
PROSTATECTOMY	102	2.0	0.8	1.1	7.8	2.0	3.1	7.8	3.3	2.4
CHOLECYSTECTOMY	62	1.6	2.3	2.2	1.6	4.2	3.3	3.2	5.5	3.5
HYSTERECTOMY	22	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,095

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.90	27.83	0.43	1.00	0.01	4.48	4.13	0.16	1.08	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.91	0.08	1.09	0.09					
CONGESTIVE HEART FAILURE	1.53	1.66	0.10	0.93	0.06					
PNEUMONIA/INFLUENZA	0.97	1.24	0.09	0.80	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.68	0.62	0.07	1.07	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.40	0.05	0.71	0.09					
STROKE	0.88	0.87	0.08	1.01	0.09					
HIP FRACTURE	0.59	0.49	0.06	1.21	0.14					
SEPSIS	0.61	0.34	0.05	1.74	0.25					
PROCEDURES:										
ANGIOPLASTY	0.16	0.34	0.05	0.47	0.07					
CORONARY ARTERY BYPASS GRAFT	0.38	0.46	0.06	0.83	0.10					
INITIAL PACEMAKER INSERTION	0.23	0.19	0.04	1.35	0.27					
CAROTID ENDARTERECTOMY	0.10	0.16	0.03	0.83	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.39	0.05	0.94	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.24	0.04	1.39	0.25					
PROSTATECTOMY	0.62	0.77	0.07	0.79	0.07					
CHOLECYSTECTOMY	0.44	0.49	0.06	0.88	0.10					
HYSTERECTOMY	0.17	0.18	0.03	0.88	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

GAINESVILLE, FL (2900)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,209	8.3	8.1	0.4	12.5	12.4	0.4	15.8	15.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	283	18.7	24.5	3.4	22.6	27.4	3.2	25.8	30.0	3.0
CONGESTIVE HEART FAILURE	286	14.0	13.4	2.2	21.3	21.5	2.7	28.3	27.5	2.8
PNEUMONIA/INFLUENZA	260	14.2	15.7	2.6	20.8	21.7	3.1	26.5	25.5	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	107	8.4	7.6	3.5	11.2	13.0	4.4	17.8	17.2	3.7
TRANSIENT CEREBRAL ISCHEMIA	114	4.4	2.1	2.5	7.0	4.7	3.0	7.0	7.5	3.5
STROKE	246	23.6	20.8	3.9	33.7	27.3	4.5	38.6	30.9	4.5
HIP FRACTURE	149	9.4	6.6	3.1	13.4	11.7	3.0	15.4	15.2	3.0
SEPSIS	114	33.3	22.8	6.3	42.1	31.6	6.8	48.2	36.3	6.9
PROCEDURES:										
ANGIOPLASTY	123	2.4	4.3	2.6	2.4	5.1	2.8	4.1	6.0	2.6
CORONARY ARTERY BYPASS GRAFT	186	3.2	5.1	2.6	4.3	7.1	3.2	4.3	8.1	3.4
INITIAL PACEMAKER INSERTION	63	4.8	3.7	2.7	7.9	6.7	3.3	11.1	9.4	4.2
CAROTID ENDARTERECTOMY	67	1.5	1.8	1.7	3.0	3.3	2.2	4.5	4.8	2.7
HIP REPLACEMENT/RECONSTRUCTION	179	2.8	2.2	1.7	5.0	4.2	1.8	5.6	5.7	1.8
OPEN REDUCTION OF HIP FRACTURE	88	10.2	6.4	4.1	14.8	11.6	4.3	15.9	15.3	3.9
PROSTATECTOMY	206	0.5	0.8	0.7	1.5	1.8	1.1	2.9	3.1	1.3
CHOLECYSTECTOMY	140	4.3	2.5	1.9	5.7	4.5	1.9	6.4	6.0	2.0
HYSTERECTOMY	104	1.0	1.1	1.2	2.9	2.5	2.5	3.8	3.9	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,908

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.23	30.60	0.36	0.82	0.01	4.45	4.88	0.14	0.91	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.88	0.06	0.98	0.07					
CONGESTIVE HEART FAILURE	1.24	1.90	0.09	0.65	0.03					
PNEUMONIA/INFLUENZA	0.95	1.50	0.08	0.63	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.65	0.05	0.72	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.40	0.04	1.13	0.12					
STROKE	0.88	1.02	0.06	0.88	0.06					
HIP FRACTURE	0.51	0.56	0.05	0.91	0.08					
SEPSIS	0.42	0.44	0.04	0.94	0.09					
PROCEDURES:										
ANGIOPLASTY	0.26	0.29	0.03	0.89	0.11					
CORONARY ARTERY BYPASS GRAFT	0.39	0.36	0.04	1.08	0.12					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.73	0.11					
CAROTID ENDARTERECTOMY	0.12	0.13	0.02	0.98	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.37	0.04	0.94	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.28	0.03	0.99	0.12					
PROSTATECTOMY	0.54	0.70	0.05	0.76	0.06					
CHOLECYSTECTOMY	0.36	0.45	0.04	0.82	0.08					
HYSTERECTOMY	0.22	0.16	0.03	1.49	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSONVILLE, FL (3600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	21,901	8.4	9.1	0.3	13.4	13.8	0.3	17.0	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	548	22.6	26.5	2.6	27.0	29.4	2.6	28.8	32.1	2.5
CONGESTIVE HEART FAILURE	1,099	11.7	14.0	1.6	21.7	22.3	1.3	27.7	28.4	1.4
PNEUMONIA/INFLUENZA	734	12.7	14.8	1.8	19.5	20.3	1.7	24.0	24.0	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	415	7.2	8.1	1.6	15.2	14.0	2.0	20.0	18.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	341	1.2	1.8	1.2	4.4	4.0	1.2	6.5	6.5	1.8
STROKE	828	19.2	19.1	1.4	25.8	25.0	1.7	29.1	28.6	2.1
HIP FRACTURE	461	7.8	6.8	1.5	13.2	11.9	1.8	17.8	15.4	2.4
SEPSIS	354	25.1	25.9	2.4	35.0	33.8	3.0	41.0	38.5	3.0
PROCEDURES:										
ANGIOPLASTY	300	4.0	3.3	1.1	5.7	4.3	1.4	6.7	5.2	1.7
CORONARY ARTERY BYPASS GRAFT	466	6.7	5.7	1.3	9.7	8.0	1.6	9.9	9.1	1.4
INITIAL PACEMAKER INSERTION	217	3.7	3.5	1.4	8.3	6.8	2.2	10.1	9.6	2.2
CAROTID ENDARTERECTOMY	202	2.0	1.4	1.4	3.0	2.5	1.7	3.5	3.8	2.0
HIP REPLACEMENT/RECONSTRUCTION	305	2.6	3.2	1.2	5.9	6.0	1.4	8.2	8.2	1.6
OPEN REDUCTION OF HIP FRACTURE	260	9.2	6.4	2.6	13.8	11.5	2.8	16.9	15.1	3.5
PROSTATECTOMY	666	1.2	1.0	0.4	2.0	2.2	0.9	3.8	3.7	0.9
CHOLECYSTECTOMY	440	3.6	3.0	0.9	6.4	5.3	1.3	8.2	7.0	1.4
HYSTERECTOMY	168	2.4	0.6	2.0	3.6	1.5	2.5	4.2	2.3	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 111,266

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.13	28.82	0.16	0.94	0.00	4.69	4.58	0.06	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	0.86	0.03	0.78	0.03					
CONGESTIVE HEART FAILURE	1.60	1.83	0.04	0.88	0.02					
PNEUMONIA/INFLUENZA	0.93	1.24	0.03	0.75	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.56	0.02	1.02	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.41	0.02	0.99	0.05					
STROKE	0.96	0.96	0.03	**	**					
HIP FRACTURE	0.55	0.54	0.02	1.01	0.04					
SEPSIS	0.47	0.40	0.02	1.19	0.06					
PROCEDURES:										
ANGIOPLASTY	0.36	0.28	0.02	1.27	0.07					
CORONARY ARTERY BYPASS GRAFT	0.47	0.39	0.02	1.22	0.06					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.01	1.14	0.08					
CAROTID ENDARTERECTOMY	0.20	0.12	0.01	1.60	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.33	0.40	0.02	0.83	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.26	0.01	1.13	0.07					
PROSTATECTOMY	0.63	0.72	0.03	0.87	0.03					
CHOLECYSTECTOMY	0.45	0.43	0.02	1.04	0.05					
HYSTERECTOMY	0.15	0.17	0.01	0.88	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

LAKELAND-WINTER HAVEN, FL (3980)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12,046	8.9	8.1	0.3	13.8	12.5	0.4	17.4	15.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	414	24.4	22.8	3.0	28.3	25.6	3.1	30.0	28.2	2.8
CONGESTIVE HEART FAILURE	560	12.7	13.7	1.8	21.6	21.7	1.8	27.9	27.7	2.4
PNEUMONIA/INFLUENZA	311	16.1	14.2	3.2	21.5	19.6	3.6	26.0	23.1	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	246	10.2	7.7	2.7	15.9	13.5	3.6	20.3	18.0	3.3
TRANSIENT CEREBRAL ISCHEMIA	129	0.8	1.6	1.2	3.9	3.6	1.7	5.4	5.9	2.1
STROKE	439	22.8	18.5	3.0	29.8	24.8	3.5	33.0	28.4	3.3
HIP FRACTURE	337	7.1	6.1	1.6	12.5	10.8	2.0	17.2	14.1	2.5
SEPSIS	125	17.6	22.3	5.7	26.4	29.3	7.1	33.6	33.9	5.9
PROCEDURES:										
ANGIOPLASTY	167	3.6	3.3	1.6	5.4	4.5	2.1	6.6	5.6	2.2
CORONARY ARTERY BYPASS GRAFT	168	0.6	5.6	2.2	3.6	8.0	3.1	5.4	9.0	3.3
INITIAL PACEMAKER INSERTION	110	1.8	2.8	2.4	4.5	5.5	3.6	7.3	8.0	4.3
CAROTID ENDARTERECTOMY	96	0.0	1.2	1.4	1.0	2.2	2.0	2.1	3.2	2.8
HIP REPLACEMENT/RECONSTRUCTION	285	6.0	2.9	1.5	8.4	5.3	1.8	9.8	7.2	1.9
OPEN REDUCTION OF HIP FRACTURE	171	5.3	5.8	2.6	11.7	10.4	3.0	15.8	13.7	4.0
PROSTATECTOMY	596	0.5	0.8	0.5	1.3	1.8	0.7	2.5	3.1	0.8
CHOLECYSTECTOMY	250	0.4	2.4	1.4	1.2	4.5	2.1	2.8	6.0	2.1
HYSTERECTOMY	148	1.4	0.7	1.2	2.0	1.5	1.7	3.4	2.3	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 75,910

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.61	28.44	0.19	0.80	0.00	4.30	4.40	0.08	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.93	0.03	0.83	0.03					
CONGESTIVE HEART FAILURE	1.21	1.71	0.05	0.71	0.02					
PNEUMONIA/INFLUENZA	0.60	1.34	0.04	0.45	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.60	0.03	0.93	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.39	0.02	0.59	0.03					
STROKE	0.78	0.94	0.03	0.83	0.03					
HIP FRACTURE	0.53	0.55	0.03	0.97	0.05					
SEPSIS	0.26	0.37	0.02	0.69	0.04					
PROCEDURES:										
ANGIOPLASTY	0.34	0.32	0.02	1.07	0.07					
CORONARY ARTERY BYPASS GRAFT	0.41	0.43	0.02	0.94	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.02	0.84	0.07					
CAROTID ENDARTERECTOMY	0.18	0.15	0.01	1.14	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.43	0.02	0.97	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.02	1.03	0.07					
PROSTATECTOMY	0.92	0.84	0.03	1.10	0.04					
CHOLECYSTECTOMY	0.40	0.49	0.02	0.82	0.04					
HYSTERECTOMY	0.17	0.18	0.02	0.95	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

MELBOURNE-TITUSVILLE, FL (4900)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,607	8.6	9.3	0.5	14.1	13.9	0.4	17.6	17.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	342	23.4	26.6	3.1	29.8	29.5	3.1	32.7	32.2	3.3
CONGESTIVE HEART FAILURE	516	13.6	14.5	2.1	22.9	22.8	2.6	29.3	28.9	2.9
PNEUMONIA/INFLUENZA	372	11.0	14.2	2.6	17.2	19.5	2.4	21.5	23.1	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	317	7.3	8.2	1.8	14.2	14.2	2.0	20.2	18.7	2.6
TRANSIENT CEREBRAL ISCHEMIA	110	0.9	1.4	1.2	1.8	3.2	2.1	1.8	5.1	2.9
STROKE	404	15.6	20.1	3.0	22.5	26.3	2.9	25.7	30.1	3.0
HIP FRACTURE	252	7.1	6.6	1.7	11.1	11.6	3.0	17.5	15.0	3.8
SEPSIS	160	23.7	25.9	4.1	31.3	33.6	4.0	35.0	38.3	4.3
PROCEDURES:										
ANGIOPLASTY	204	7.4	3.9	2.2	8.3	4.9	2.4	9.3	6.0	2.4
CORONARY ARTERY BYPASS GRAFT	138	5.8	5.9	2.6	9.4	8.1	2.7	10.1	9.0	2.6
INITIAL PACEMAKER INSERTION	117	0.9	3.0	2.0	5.1	5.8	2.4	7.7	8.5	2.8
CAROTID ENDARTERECTOMY	91	0.0	1.2	1.7	1.1	2.3	2.4	2.2	3.5	2.8
HIP REPLACEMENT/RECONSTRUCTION	153	3.3	3.1	1.7	5.9	5.6	2.4	9.8	7.4	3.1
OPEN REDUCTION OF HIP FRACTURE	144	9.0	6.1	3.4	12.5	11.0	5.4	17.4	14.4	5.6
PROSTATECTOMY	426	0.0	0.8	0.7	1.2	1.8	0.9	2.1	3.1	1.3
CHOLECYSTECTOMY	189	0.5	2.2	1.7	1.6	4.0	2.5	3.2	5.3	2.5
HYSTERECTOMY	122	0.0	0.3	0.5	0.0	0.7	0.9	0.0	1.1	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 71,215

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.95	25.67	0.19	0.93	0.01	3.89	4.09	0.08	0.95	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.85	0.03	0.87	0.04					
CONGESTIVE HEART FAILURE	1.35	1.51	0.05	0.89	0.03					
PNEUMONIA/INFLUENZA	0.80	1.08	0.04	0.74	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.74	0.51	0.03	1.47	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.35	0.02	0.63	0.04					
STROKE	0.79	0.84	0.03	0.95	0.04					
HIP FRACTURE	0.46	0.49	0.03	0.94	0.05					
SEPSIS	0.33	0.34	0.02	0.96	0.06					
PROCEDURES:										
ANGIOPLASTY	0.54	0.34	0.02	1.65	0.11					
CORONARY ARTERY BYPASS GRAFT	0.44	0.45	0.02	0.96	0.05					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.02	1.17	0.10					
CAROTID ENDARTERECTOMY	0.19	0.15	0.01	1.23	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.41	0.02	0.79	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.25	0.02	0.99	0.08					
PROSTATECTOMY	0.81	0.83	0.03	0.98	0.04					
CHOLECYSTECTOMY	0.37	0.44	0.02	0.81	0.05					
HYSTERECTOMY	0.23	0.18	0.02	1.27	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

MIAMI-HIALEAH, FL (5000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	44,149	9.4	9.8	0.2	14.5	14.6	0.2	18.2	18.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,437	24.6	26.4	1.3	29.6	29.9	1.3	32.4	32.9	1.2
CONGESTIVE HEART FAILURE	2,098	14.0	15.3	1.0	23.4	23.9	1.0	30.5	30.3	1.1
PNEUMONIA/INFLUENZA	1,812	17.1	17.4	1.3	23.4	23.7	1.0	27.5	27.8	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	685	7.4	9.0	1.6	12.3	15.5	2.2	16.9	20.3	2.4
TRANSIENT CEREBRAL ISCHEMIA	625	1.3	1.9	0.8	3.4	4.3	1.3	5.1	6.9	1.8
STROKE	1,555	18.7	20.7	1.6	25.5	27.4	1.6	29.7	31.4	1.8
HIP FRACTURE	1,255	6.1	7.0	0.9	12.8	12.3	1.1	16.9	15.9	1.2
SEPSIS	667	27.6	27.8	1.8	38.1	36.4	2.2	44.8	41.5	2.7
PROCEDURES:										
ANGIOPLASTY	532	3.0	2.3	1.2	3.4	3.1	0.8	3.9	4.0	1.0
CORONARY ARTERY BYPASS GRAFT	543	7.4	5.6	1.6	10.5	8.0	2.1	10.9	9.1	1.9
INITIAL PACEMAKER INSERTION	567	2.3	3.4	1.1	7.2	6.7	2.2	8.6	9.7	2.1
CAROTID ENDARTERECTOMY	94	0.0	1.7	2.0	2.1	3.1	2.3	2.1	4.4	2.8
HIP REPLACEMENT/RECONSTRUCTION	713	4.2	3.8	0.8	8.6	6.9	1.5	11.4	9.3	2.0
OPEN REDUCTION OF HIP FRACTURE	730	4.7	6.5	1.3	11.8	11.7	1.5	15.3	15.3	1.3
PROSTATECTOMY	1,393	1.1	1.0	0.3	1.9	2.3	0.5	3.5	4.0	0.6
CHOLECYSTECTOMY	729	2.5	3.0	1.0	4.4	5.3	1.0	5.8	6.9	1.2
HYSTERECTOMY	370	0.8	0.7	0.7	1.1	1.6	0.9	1.1	2.5	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 284,783

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.74	26.28	0.10	0.79	0.00	4.57	4.82	0.04	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.66	0.81	0.02	0.81	0.02					
CONGESTIVE HEART FAILURE	1.18	1.63	0.02	0.73	0.01					
PNEUMONIA/INFLUENZA	0.85	1.12	0.02	0.76	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.42	0.01	0.90	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.32	0.01	0.90	0.03					
STROKE	0.69	0.92	0.02	0.75	0.01					
HIP FRACTURE	0.54	0.63	0.01	0.86	0.02					
SEPSIS	0.36	0.39	0.01	0.93	0.03					
PROCEDURES:										
ANGIOPLASTY	0.21	0.28	0.01	0.61	0.02					
CORONARY ARTERY BYPASS GRAFT	0.23	0.36	0.01	0.64	0.02					
INITIAL PACEMAKER INSERTION	0.24	0.22	0.01	1.09	0.04					
CAROTID ENDARTERECTOMY	0.03	0.11	0.01	0.32	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.30	0.46	0.01	0.64	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.32	0.01	0.98	0.03					
PROSTATECTOMY	0.56	0.76	0.02	0.73	0.02					
CHOLECYSTECTOMY	0.30	0.38	0.01	0.80	0.02					
HYSTERECTOMY	0.14	0.18	0.01	0.78	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

NAPLES, FL (5345)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,606	8.5	8.4	0.4	12.7	12.7	0.5	15.8	15.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	156	17.3	25.2	6.4	23.1	27.9	7.0	24.4	30.3	6.8
CONGESTIVE HEART FAILURE	204	14.7	13.5	3.0	19.6	21.3	3.3	25.5	27.2	3.6
PNEUMONIA/INFLUENZA	167	15.6	15.4	3.6	23.4	21.1	4.0	26.9	24.7	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	67	11.9	6.7	5.9	16.4	11.8	8.2	19.4	15.6	8.3
TRANSIENT CEREBRAL ISCHEMIA	98	1.0	1.4	1.4	3.1	3.2	2.2	6.1	5.4	2.9
STROKE	190	20.0	20.7	3.1	25.8	27.5	4.7	28.4	31.1	5.4
HIP FRACTURE	121	7.4	6.5	2.4	14.0	11.2	3.7	16.5	14.5	4.8
SEPSIS	57	29.8	26.6	6.4	33.3	35.9	6.6	35.1	41.1	7.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	47	2.1	3.1	*	4.3	5.9	*	4.3	8.4	*
CAROTID ENDARTERECTOMY	18	5.6	1.3	*	5.6	2.4	*	5.6	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	133	1.5	3.0	2.0	4.5	5.3	2.2	5.3	7.0	2.8
OPEN REDUCTION OF HIP FRACTURE	60	10.0	5.9	4.1	18.3	10.6	6.7	21.7	14.0	8.3
PROSTATECTOMY	214	0.9	0.8	0.6	2.3	1.8	1.0	4.7	3.2	1.5
CHOLECYSTECTOMY	112	1.8	1.9	1.9	2.7	3.5	2.4	3.6	4.9	2.5
HYSTERECTOMY	70	0.0	0.6	*	0.0	1.3	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 33,052

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	19.99	23.46	0.27	0.85	0.01	3.52	3.95	0.11	0.89	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.81	0.05	0.85	0.05					
CONGESTIVE HEART FAILURE	0.96	1.32	0.06	0.73	0.03					
PNEUMONIA/INFLUENZA	0.56	0.95	0.05	0.61	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.25	0.43	0.04	0.60	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.31	0.03	1.17	0.12					
STROKE	0.71	0.78	0.05	0.90	0.06					
HIP FRACTURE	0.43	0.48	0.04	0.88	0.07					
SEPSIS	0.26	0.32	0.03	0.81	0.08					
PROCEDURES:										
ANGIOPLASTY	0.29	0.34	0.03	0.83	0.08					
CORONARY ARTERY BYPASS GRAFT	0.44	0.45	0.04	0.95	0.08					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.02	0.97	0.12					
CAROTID ENDARTERECTOMY	0.10	0.13	0.02	0.70	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.43	0.04	1.03	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.25	0.03	0.80	0.09					
PROSTATECTOMY	0.81	0.91	0.05	0.91	0.05					
CHOLECYSTECTOMY	0.40	0.40	0.03	**	**					
HYSTERECTOMY	0.23	0.18	0.02	1.28	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

OCALA, FL (5790)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,651	8.7	7.8	0.6	12.5	11.9	0.5	15.5	14.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	266	18.0	22.4	4.2	21.1	25.0	4.2	22.9	27.4	4.5
CONGESTIVE HEART FAILURE	354	14.7	13.6	2.0	21.8	21.7	2.2	28.5	27.6	3.2
PNEUMONIA/INFLUENZA	157	15.9	13.7	4.0	20.4	19.2	3.8	24.8	22.9	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	115	7.8	7.6	2.8	11.3	13.5	4.4	20.9	18.0	4.3
TRANSIENT CEREBRAL ISCHEMIA	100	1.0	1.7	2.5	6.0	3.7	3.8	9.0	6.0	5.3
STROKE	223	22.4	19.6	4.7	29.6	25.4	5.2	30.5	29.1	4.8
HIP FRACTURE	143	9.1	5.9	3.5	12.6	10.4	3.4	16.8	13.5	3.4
SEPSIS	55	27.3	21.5	9.1	32.7	29.6	8.7	38.2	34.6	7.4
PROCEDURES:										
ANGIOPLASTY	238	1.7	3.7	1.9	3.4	4.8	2.0	5.5	5.8	2.2
CORONARY ARTERY BYPASS GRAFT	222	0.5	4.9	1.8	0.9	6.8	2.2	0.9	7.7	2.4
INITIAL PACEMAKER INSERTION	100	0.0	3.1	3.9	5.0	6.1	3.3	7.0	8.8	4.9
CAROTID ENDARTERECTOMY	76	5.3	1.6	3.0	6.6	3.0	3.8	10.5	4.5	5.2
HIP REPLACEMENT/RECONSTRUCTION	123	3.3	2.7	1.6	4.9	4.9	2.0	8.1	6.6	2.6
OPEN REDUCTION OF HIP FRACTURE	51	11.8	6.0	5.5	13.7	10.8	5.5	15.7	14.3	5.1
PROSTATECTOMY	419	0.7	0.8	0.7	1.7	1.7	1.3	3.6	2.9	1.6
CHOLECYSTECTOMY	172	2.3	2.7	1.4	4.7	4.7	1.7	5.8	6.1	2.0
HYSTERECTOMY	69	0.0	0.3	0.7	0.0	0.7	1.2	1.4	1.2	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 49,583

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.46	28.57	0.24	0.72	0.01	3.80	4.09	0.09	0.93	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.70	0.97	0.04	0.72	0.03					
CONGESTIVE HEART FAILURE	1.18	1.69	0.06	0.70	0.02					
PNEUMONIA/INFLUENZA	0.54	1.35	0.05	0.40	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.40	0.67	0.04	0.59	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.41	0.03	0.68	0.05					
STROKE	0.59	0.94	0.04	0.64	0.03					
HIP FRACTURE	0.42	0.47	0.03	0.89	0.06					
SEPSIS	0.19	0.36	0.03	0.53	0.04					
PROCEDURES:										
ANGIOPLASTY	0.49	0.37	0.03	1.32	0.10					
CORONARY ARTERY BYPASS GRAFT	0.42	0.49	0.03	0.86	0.05					
INITIAL PACEMAKER INSERTION	0.27	0.22	0.02	1.24	0.12					
CAROTID ENDARTERECTOMY	0.19	0.19	0.02	1.05	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.40	0.03	0.87	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.18	0.24	0.02	0.74	0.07					
PROSTATECTOMY	1.02	0.90	0.04	1.10	0.05					
CHOLECYSTECTOMY	0.46	0.53	0.03	0.86	0.05					
HYSTERECTOMY	0.20	0.19	0.02	1.09	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

ORLANDO, FL (5960)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	25,484	8.8	8.8	0.2	13.5	13.3	0.3	16.6	16.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	872	23.4	26.8	2.3	27.3	29.7	2.5	29.5	32.4	2.5
CONGESTIVE HEART FAILURE	1,155	14.5	13.7	1.4	22.6	21.7	2.2	28.5	27.6	2.2
PNEUMONIA/INFLUENZA	820	14.8	14.2	2.3	22.2	19.5	3.0	26.6	23.1	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	392	9.7	7.1	1.8	15.8	12.5	2.3	19.1	16.6	2.5
TRANSIENT CEREBRAL ISCHEMIA	299	1.7	1.8	1.0	4.3	4.0	1.7	6.4	6.4	1.9
STROKE	862	17.2	19.2	1.9	22.6	25.1	2.4	26.3	28.7	2.6
HIP FRACTURE	635	5.7	6.1	1.2	10.9	10.9	1.3	14.3	14.2	1.4
SEPSIS	366	22.7	26.0	2.6	33.6	34.1	2.5	41.0	39.0	2.8
PROCEDURES:										
ANGIOPLASTY	679	2.5	2.8	0.7	3.4	3.6	0.8	4.3	4.5	0.9
CORONARY ARTERY BYPASS GRAFT	754	4.4	6.0	1.4	6.6	8.3	1.7	7.4	9.2	1.6
INITIAL PACEMAKER INSERTION	241	1.7	2.8	1.5	5.4	5.7	1.6	8.3	8.2	1.8
CAROTID ENDARTERECTOMY	176	2.3	1.4	1.1	3.4	2.7	1.3	4.5	4.0	1.8
HIP REPLACEMENT/RECONSTRUCTION	554	2.5	2.6	0.7	5.2	4.8	1.0	6.9	6.6	1.1
OPEN REDUCTION OF HIP FRACTURE	335	5.7	5.7	1.3	11.0	10.5	1.9	14.3	14.0	2.0
PROSTATECTOMY	1,149	1.2	0.9	0.4	2.3	2.1	0.5	3.5	3.5	0.8
CHOLECYSTECTOMY	508	3.3	2.6	0.9	5.7	4.7	1.1	7.5	6.3	1.3
HYSTERECTOMY	216	0.0	0.6	0.7	0.9	1.5	1.1	2.8	2.3	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 128,383

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.99	27.29	0.15	0.84	0.00	4.26	4.44	0.06	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.85	0.03	0.84	0.03					
CONGESTIVE HEART FAILURE	1.22	1.66	0.04	0.74	0.02					
PNEUMONIA/INFLUENZA	0.84	1.18	0.03	0.72	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.52	0.02	0.80	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.37	0.02	0.75	0.03					
STROKE	0.78	0.90	0.03	0.87	0.03					
HIP FRACTURE	0.55	0.55	0.02	1.02	0.04					
SEPSIS	0.39	0.37	0.02	1.05	0.05					
PROCEDURES:										
ANGIOPLASTY	0.37	0.30	0.02	1.23	0.06					
CORONARY ARTERY BYPASS GRAFT	0.36	0.40	0.02	0.90	0.04					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.81	0.05					
CAROTID ENDARTERECTOMY	0.13	0.13	0.01	1.02	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.41	0.02	0.96	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.01	1.07	0.06					
PROSTATECTOMY	0.87	0.74	0.02	1.17	0.04					
CHOLECYSTECTOMY	0.40	0.43	0.02	0.93	0.04					
HYSTERECTOMY	0.16	0.17	0.01	0.96	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

PANAMA CITY, FL (6015)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,885	8.2	8.9	0.6	13.1	13.5	0.6	16.5	16.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	94	28.7	26.0	5.2	30.9	28.6	5.0	34.0	31.0	5.5
CONGESTIVE HEART FAILURE	168	16.7	14.8	4.1	25.0	23.2	5.6	32.1	29.4	4.5
PNEUMONIA/INFLUENZA	119	9.2	14.6	6.0	15.1	19.8	6.3	17.6	23.5	6.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	147	9.5	8.3	3.0	16.3	14.6	4.7	21.8	19.2	4.5
TRANSIENT CEREBRAL ISCHEMIA	92	2.2	1.6	2.9	5.4	3.5	3.0	7.6	5.6	3.1
STROKE	139	15.8	20.3	3.7	27.3	26.5	3.9	30.9	30.1	3.9
HIP FRACTURE	84	7.1	6.1	3.8	7.1	10.6	4.4	11.9	13.9	4.2
SEPSIS	60	16.7	22.1	6.3	25.0	30.4	7.6	31.7	35.5	6.6
PROCEDURES:										
ANGIOPLASTY	48	2.1	2.6	*	2.1	3.5	*	2.1	4.4	*
CORONARY ARTERY BYPASS GRAFT	39	5.1	6.8	*	7.7	9.3	*	7.7	10.4	*
INITIAL PACEMAKER INSERTION	26	3.8	3.0	*	7.7	6.2	*	11.5	9.2	*
CAROTID ENDARTERECTOMY	34	2.9	1.2	*	2.9	2.2	*	5.9	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	52	5.8	2.7	3.6	5.8	5.0	3.5	5.8	6.8	4.1
OPEN REDUCTION OF HIP FRACTURE	43	4.7	5.2	*	4.7	9.2	*	9.3	12.2	*
PROSTATECTOMY	163	0.6	0.9	0.9	1.8	2.2	1.2	4.3	3.7	1.7
CHOLECYSTECTOMY	75	2.7	2.8	2.2	4.0	5.2	2.8	5.3	6.8	3.2
HYSTERECTOMY	30	0.0	1.0	*	0.0	2.1	*	3.3	3.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,015

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.89	29.74	0.42	0.94	0.01	4.68	4.34	0.16	1.08	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.56	0.95	0.07	0.61	0.05					
CONGESTIVE HEART FAILURE	1.42	1.82	0.10	0.78	0.04					
PNEUMONIA/INFLUENZA	0.89	1.38	0.09	0.64	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.12	0.67	0.06	1.65	0.16					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.44	0.05	1.14	0.14					
STROKE	0.82	0.96	0.07	0.84	0.07					
HIP FRACTURE	0.47	0.52	0.05	0.87	0.10					
SEPSIS	0.45	0.38	0.05	1.19	0.15					
PROCEDURES:										
ANGIOPLASTY	0.39	0.33	0.05	1.14	0.16					
CORONARY ARTERY BYPASS GRAFT	0.26	0.45	0.05	0.61	0.07					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.03	0.81	0.15					
CAROTID ENDARTERECTOMY	0.22	0.16	0.03	1.20	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.40	0.05	0.94	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.25	0.04	1.10	0.18					
PROSTATECTOMY	0.93	0.79	0.07	1.16	0.10					
CHOLECYSTECTOMY	0.47	0.52	0.05	1.00	0.11					
HYSTERECTOMY	0.20	0.18	0.03	1.13	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

PENSACOLA, FL (6080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	9,461	8.6	8.7	0.3	13.3	13.5	0.5	16.4	17.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	287	19.9	22.9	2.8	23.0	25.7	2.7	24.4	28.3	3.1
CONGESTIVE HEART FAILURE	402	13.9	13.1	1.8	23.4	21.1	2.8	30.1	27.1	3.4
PNEUMONIA/INFLUENZA	279	15.1	13.7	2.6	21.5	19.1	3.8	25.4	22.8	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	211	4.3	6.1	2.3	6.6	11.0	3.5	11.4	14.9	4.0
TRANSIENT CEREBRAL ISCHEMIA	127	0.8	1.8	1.6	3.9	4.1	2.4	4.7	6.5	2.7
STROKE	331	15.1	17.6	3.0	20.5	24.0	4.2	23.3	27.7	4.8
HIP FRACTURE	214	4.2	7.2	2.6	8.9	12.6	3.8	11.2	16.2	3.9
SEPSIS	204	22.1	24.4	3.7	29.4	32.8	5.6	33.3	37.7	4.7
PROCEDURES:										
ANGIOPLASTY	150	7.3	4.3	3.7	9.3	5.4	4.1	10.7	6.5	4.2
CORONARY ARTERY BYPASS GRAFT	214	7.5	5.7	2.0	8.9	8.2	1.9	9.3	9.3	2.0
INITIAL PACEMAKER INSERTION	107	3.7	3.0	2.9	6.5	5.9	2.7	8.4	8.7	2.8
CAROTID ENDARTERECTOMY	53	7.5	1.3	3.4	7.5	2.5	3.4	9.4	3.7	3.8
HIP REPLACEMENT/RECONSTRUCTION	144	0.0	3.3	3.5	2.8	5.8	3.4	4.2	7.6	3.8
OPEN REDUCTION OF HIP FRACTURE	114	4.4	5.9	4.0	7.9	10.8	5.6	11.4	14.5	6.4
PROSTATECTOMY	274	0.7	1.1	0.7	1.8	2.5	1.1	2.9	4.3	1.6
CHOLECYSTECTOMY	202	3.5	2.3	1.7	5.4	4.2	1.9	5.9	5.6	2.1
HYSTERECTOMY	73	0.0	0.5	*	0.0	1.2	*	1.4	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 43,636

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.57	29.89	0.26	0.96	0.01	4.36	4.54	0.10	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.90	0.05	0.76	0.04					
CONGESTIVE HEART FAILURE	1.61	1.88	0.07	0.86	0.03					
PNEUMONIA/INFLUENZA	0.92	1.35	0.06	0.67	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.75	0.64	0.04	1.16	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.43	0.03	0.76	0.06					
STROKE	0.93	0.98	0.05	0.95	0.05					
HIP FRACTURE	0.55	0.53	0.03	1.04	0.07					
SEPSIS	0.71	0.41	0.03	1.73	0.13					
PROCEDURES:										
ANGIOPLASTY	0.36	0.31	0.03	1.16	0.10					
CORONARY ARTERY BYPASS GRAFT	0.42	0.42	0.03	0.99	0.07					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.16	0.13					
CAROTID ENDARTERECTOMY	0.11	0.15	0.02	0.77	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.30	0.39	0.03	0.77	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.26	0.02	1.11	0.11					
PROSTATECTOMY	0.67	0.74	0.04	0.89	0.05					
CHOLECYSTECTOMY	0.52	0.47	0.03	1.10	0.08					
HYSTERECTOMY	0.19	0.17	0.02	1.09	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

SARASOTA, FL (7510)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,426	7.7	8.3	0.4	12.2	12.5	0.5	15.5	15.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	588	21.4	25.3	3.1	25.9	28.6	3.4	29.1	31.7	3.5
CONGESTIVE HEART FAILURE	602	13.6	14.4	1.6	21.8	22.5	2.4	28.4	28.7	2.4
PNEUMONIA/INFLUENZA	365	14.8	14.8	2.0	19.7	20.3	2.3	25.2	24.2	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	164	7.3	7.7	3.5	15.9	13.5	4.2	22.6	17.9	5.4
TRANSIENT CEREBRAL ISCHEMIA	142	0.0	1.8	1.9	2.8	4.0	1.9	6.3	6.5	2.1
STROKE	499	16.8	19.1	3.3	23.8	25.4	2.8	27.3	29.1	2.8
HIP FRACTURE	377	5.8	5.9	1.2	12.7	10.6	2.4	14.9	13.8	2.8
SEPSIS	182	23.1	23.1	3.2	31.3	30.7	3.7	36.8	35.2	4.6
PROCEDURES:										
ANGIOPLASTY	243	1.2	3.2	1.4	1.6	4.1	1.7	1.6	5.0	2.0
CORONARY ARTERY BYPASS GRAFT	341	6.5	6.2	1.3	9.4	8.6	1.7	10.3	9.6	1.7
INITIAL PACEMAKER INSERTION	136	2.2	2.9	1.6	3.7	5.5	2.7	3.7	7.9	3.2
CAROTID ENDARTERECTOMY	96	1.0	1.5	1.5	3.1	2.8	2.1	5.2	4.2	3.2
HIP REPLACEMENT/RECONSTRUCTION	366	2.2	2.4	0.8	5.5	4.6	1.3	6.6	6.3	1.4
OPEN REDUCTION OF HIP FRACTURE	222	6.8	5.5	1.9	13.5	10.1	3.1	15.8	13.5	3.6
PROSTATECTOMY	815	1.0	0.8	0.4	2.5	1.9	0.6	3.8	3.4	0.7
CHOLECYSTECTOMY	253	2.4	2.6	1.3	4.7	4.9	1.8	5.5	6.6	2.0
HYSTERECTOMY	242	0.0	0.3	0.5	0.0	0.8	0.8	0.0	1.4	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 95,320

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.63	24.94	0.16	0.87	0.01	3.87	4.36	0.07	0.89	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.86	0.03	1.06	0.04					
CONGESTIVE HEART FAILURE	1.16	1.46	0.04	0.80	0.02					
PNEUMONIA/INFLUENZA	0.62	1.09	0.03	0.57	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.31	0.43	0.02	0.72	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.32	0.02	0.82	0.05					
STROKE	0.73	0.86	0.03	0.85	0.03					
HIP FRACTURE	0.55	0.58	0.02	0.95	0.04					
SEPSIS	0.30	0.34	0.02	0.88	0.05					
PROCEDURES:										
ANGIOPLASTY	0.33	0.32	0.02	1.03	0.06					
CORONARY ARTERY BYPASS GRAFT	0.53	0.42	0.02	1.26	0.06					
INITIAL PACEMAKER INSERTION	0.21	0.22	0.01	0.94	0.07					
CAROTID ENDARTERECTOMY	0.14	0.13	0.01	1.05	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.49	0.02	1.03	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.02	1.10	0.07					
PROSTATECTOMY	1.03	0.89	0.03	1.16	0.04					
CHOLECYSTECTOMY	0.35	0.42	0.02	0.81	0.04					
HYSTERECTOMY	0.29	0.19	0.01	1.55	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

TALLAHASSEE, FL (8240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	5,221	9.8	8.4	0.5	15.1	13.2	0.6	19.1	16.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	168	28.0	25.6	4.8	31.5	28.5	5.5	32.7	31.2	5.4
CONGESTIVE HEART FAILURE	270	15.6	12.3	3.5	23.3	20.0	5.0	28.5	25.9	4.8
PNEUMONIA/INFLUENZA	203	15.3	13.7	2.8	21.2	19.3	3.6	27.1	22.9	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	58	13.8	5.8	5.6	20.7	10.5	6.4	22.4	14.6	7.2
TRANSIENT CEREBRAL ISCHEMIA	66	3.0	1.7	2.5	3.0	3.8	4.0	6.1	6.1	3.5
STROKE	233	15.5	16.4	2.8	23.2	22.5	3.6	30.5	26.2	3.9
HIP FRACTURE	111	4.5	5.8	2.4	9.9	10.5	3.0	12.6	13.9	3.8
SEPSIS	51	25.5	19.2	9.3	29.4	26.4	8.3	33.3	31.0	7.8
PROCEDURES:										
ANGIOPLASTY	49	8.2	2.6	*	10.2	3.3	*	10.2	4.1	*
CORONARY ARTERY BYPASS GRAFT	145	2.8	5.9	2.8	3.4	8.1	3.6	4.1	9.0	3.8
INITIAL PACEMAKER INSERTION	44	4.5	2.5	*	6.8	4.9	*	6.8	7.3	*
CAROTID ENDARTERECTOMY	56	1.8	1.5	1.8	3.6	2.6	3.0	3.6	3.8	3.6
HIP REPLACEMENT/RECONSTRUCTION	98	1.0	3.1	2.5	5.1	6.0	2.8	6.1	8.3	3.4
OPEN REDUCTION OF HIP FRACTURE	46	6.5	5.3	*	10.9	9.8	*	13.0	13.2	*
PROSTATECTOMY	231	1.3	1.1	1.0	3.0	2.4	1.9	5.6	4.2	2.4
CHOLECYSTECTOMY	115	5.2	1.9	2.0	7.8	3.5	2.6	8.7	4.8	3.1
HYSTERECTOMY	51	0.0	0.5	1.3	0.0	1.2	2.4	0.0	1.8	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,278

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.95	30.12	0.35	0.73	0.01	4.61	4.92	0.14	0.94	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.57	0.81	0.06	0.71	0.05					
CONGESTIVE HEART FAILURE	1.30	1.94	0.09	0.67	0.03					
PNEUMONIA/INFLUENZA	0.96	1.33	0.07	0.72	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.55	0.05	0.50	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.40	0.04	0.70	0.07					
STROKE	0.92	1.06	0.07	0.87	0.05					
HIP FRACTURE	0.41	0.54	0.05	0.79	0.07					
SEPSIS	0.29	0.47	0.04	0.60	0.06					
PROCEDURES:										
ANGIOPLASTY	0.14	0.25	0.03	0.50	0.07					
CORONARY ARTERY BYPASS GRAFT	0.35	0.33	0.04	1.02	0.12					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.03	0.71	0.10					
CAROTID ENDARTERECTOMY	0.16	0.09	0.02	1.41	0.34					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.36	0.04	1.01	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.27	0.03	0.77	0.10					
PROSTATECTOMY	0.70	0.68	0.05	1.03	0.08					
CHOLECYSTECTOMY	0.36	0.39	0.04	0.90	0.09					
HYSTERECTOMY	0.19	0.16	0.02	1.22	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

TAMPA-ST.PETERSBURG-CLEARWATER, FL (8280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	75,529	9.2	9.2	0.1	14.4	13.9	0.2	18.0	17.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,440	24.3	24.9	1.0	29.0	28.0	1.2	32.1	30.7	1.4
CONGESTIVE HEART FAILURE	3,774	14.1	14.5	0.6	23.6	23.0	0.7	30.8	29.2	0.9
PNEUMONIA/INFLUENZA	2,359	16.1	15.4	1.3	22.6	21.2	1.7	27.3	25.1	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,284	8.3	7.9	0.9	14.9	13.6	1.2	20.3	18.0	1.8
TRANSIENT CEREBRAL ISCHEMIA	965	1.6	1.8	0.5	5.0	4.1	0.9	7.7	6.5	1.0
STROKE	2,934	19.4	19.9	0.9	26.6	26.5	0.9	30.3	30.3	0.9
HIP FRACTURE	2,148	6.6	6.7	0.6	12.1	11.9	0.8	16.0	15.5	0.9
SEPSIS	1,282	23.8	26.4	1.9	32.7	34.4	1.9	37.4	39.2	1.7
PROCEDURES:										
ANGIOPLASTY	563	1.8	2.7	0.9	3.2	3.5	0.8	4.4	4.4	0.9
CORONARY ARTERY BYPASS GRAFT	1,027	6.6	5.4	1.2	9.7	7.8	1.8	10.9	8.8	1.9
INITIAL PACEMAKER INSERTION	832	3.4	3.3	0.9	7.3	6.5	1.2	9.4	9.4	1.3
CAROTID ENDARTERECTOMY	557	1.4	1.7	0.7	3.1	3.1	0.8	3.9	4.6	1.0
HIP REPLACEMENT/RECONSTRUCTION	1,638	3.8	3.5	0.5	6.8	6.4	0.7	8.9	8.5	0.7
OPEN REDUCTION OF HIP FRACTURE	1,107	6.9	6.3	1.1	11.9	11.4	1.3	16.3	15.1	1.5
PROSTATECTOMY	3,314	1.0	1.0	0.2	2.3	2.3	0.3	3.9	3.9	0.3
CHOLECYSTECTOMY	1,609	3.3	3.1	0.5	6.0	5.7	0.6	8.0	7.7	0.7
HYSTERECTOMY	774	0.5	0.6	0.4	1.3	1.5	0.7	2.2	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 456,074

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	23.50	27.18	0.08	0.86	0.00	4.47	4.53	0.03	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.91	0.01	0.83	0.01					
CONGESTIVE HEART FAILURE	1.37	1.63	0.02	0.84	0.01					
PNEUMONIA/INFLUENZA	0.72	1.27	0.02	0.56	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.52	0.01	0.84	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.36	0.01	0.79	0.02					
STROKE	0.83	0.91	0.01	0.91	0.01					
HIP FRACTURE	0.58	0.61	0.01	0.96	0.02					
SEPSIS	0.43	0.36	0.01	1.19	0.03					
PROCEDURES:										
ANGIOPLASTY	0.21	0.31	0.01	0.66	0.02					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.01	0.82	0.02					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.09	0.04					
CAROTID ENDARTERECTOMY	0.17	0.14	0.01	1.22	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.48	0.01	0.92	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.02	0.03					
PROSTATECTOMY	0.85	0.83	0.01	1.03	0.02					
CHOLECYSTECTOMY	0.42	0.46	0.01	0.91	0.02					
HYSTERECTOMY	0.19	0.19	0.01	1.02	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

WEST PALM BEACH-BOCA RATON-DELRAY BEACH, FL (8960)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,927	9.2	9.5	0.2	14.2	14.4	0.3	17.6	17.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,225	21.4	24.3	1.5	25.8	27.7	1.5	27.1	30.5	1.6
CONGESTIVE HEART FAILURE	1,623	14.6	15.2	1.1	24.5	24.0	1.2	31.7	30.3	1.6
PNEUMONIA/INFLUENZA	957	15.0	15.9	2.6	20.5	21.7	2.6	24.7	25.5	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	485	7.6	8.9	2.0	14.0	15.2	2.5	18.4	19.9	2.7
TRANSIENT CEREBRAL ISCHEMIA	453	1.5	1.8	0.7	4.2	4.0	1.4	6.2	6.6	1.3
STROKE	1,288	20.4	21.2	2.5	26.2	27.7	2.7	29.7	31.5	2.8
HIP FRACTURE	1,023	7.5	6.9	1.0	11.8	12.1	1.1	15.8	15.6	1.3
SEPSIS	551	20.9	26.4	2.4	31.9	33.8	3.0	36.8	38.4	2.9
PROCEDURES:										
ANGIOPLASTY	284	3.9	3.6	1.6	5.3	4.8	1.8	6.0	5.9	1.8
CORONARY ARTERY BYPASS GRAFT	435	5.5	6.0	1.2	7.4	8.6	1.6	8.0	9.7	1.8
INITIAL PACEMAKER INSERTION	450	2.4	3.3	1.4	5.3	6.4	1.8	8.9	9.2	2.1
CAROTID ENDARTERECTOMY	106	0.9	1.6	1.3	1.9	2.9	1.9	3.8	4.3	2.2
HIP REPLACEMENT/RECONSTRUCTION	727	3.9	3.5	0.7	6.5	6.5	0.9	8.7	8.8	1.1
OPEN REDUCTION OF HIP FRACTURE	555	5.9	6.5	2.1	10.3	11.6	1.9	14.8	15.2	1.7
PROSTATECTOMY	1,394	0.8	0.9	0.4	1.7	2.1	0.6	3.0	3.7	0.7
CHOLECYSTECTOMY	594	2.9	2.9	0.7	5.2	5.3	1.0	6.4	7.0	1.3
HYSTERECTOMY	311	0.3	0.8	0.5	1.0	1.8	0.9	1.3	2.8	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 207,479

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.12	24.20	0.11	0.91	0.00	4.04	4.35	0.05	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.81	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.24	1.42	0.03	0.88	0.02					
PNEUMONIA/INFLUENZA	0.59	1.01	0.02	0.59	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.38	0.01	0.85	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.31	0.01	0.88	0.03					
STROKE	0.75	0.85	0.02	0.89	0.02					
HIP FRACTURE	0.59	0.58	0.02	1.02	0.03					
SEPSIS	0.41	0.34	0.01	1.19	0.04					
PROCEDURES:										
ANGIOPLASTY	0.29	0.30	0.01	0.95	0.04					
CORONARY ARTERY BYPASS GRAFT	0.43	0.40	0.01	1.08	0.04					
INITIAL PACEMAKER INSERTION	0.27	0.22	0.01	1.23	0.06					
CAROTID ENDARTERECTOMY	0.08	0.11	0.01	0.67	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.47	0.01	0.91	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.01	1.08	0.04					
PROSTATECTOMY	0.81	0.87	0.02	0.93	0.02					
CHOLECYSTECTOMY	0.32	0.38	0.01	0.85	0.03					
HYSTERECTOMY	0.17	0.18	0.01	0.92	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

FL-(NONMSA) (99FL)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	33,763	9.3	9.0	0.2	14.0	13.5	0.3	17.3	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,089	27.3	25.9	2.0	31.7	29.1	2.0	34.7	31.8	2.2
CONGESTIVE HEART FAILURE	1,947	14.4	14.1	0.9	21.8	22.3	1.0	28.3	28.4	1.3
PNEUMONIA/INFLUENZA	1,820	14.3	15.0	1.2	20.4	20.5	1.0	24.3	24.2	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	734	7.8	7.2	1.1	12.3	12.6	1.3	15.7	16.8	1.7
TRANSIENT CEREBRAL ISCHEMIA	554	1.3	1.7	0.7	4.3	3.8	0.9	7.0	6.2	1.3
STROKE	1,396	19.5	19.3	1.2	25.3	25.4	1.4	29.3	29.1	1.6
HIP FRACTURE	912	6.8	6.5	0.9	11.0	11.4	1.4	13.8	14.9	1.7
SEPSIS	452	22.8	25.2	3.0	33.0	32.7	2.4	39.2	37.4	2.8
PROCEDURES:										
ANGIOPLASTY	15	0.0	1.6	*	0.0	2.2	*	0.0	2.9	*
CORONARY ARTERY BYPASS GRAFT	27	3.7	4.3	*	3.7	6.1	*	3.7	7.0	*
INITIAL PACEMAKER INSERTION	342	3.2	3.3	1.4	5.0	6.4	1.8	6.1	9.3	2.2
CAROTID ENDARTERECTOMY	193	1.0	1.5	0.9	2.1	2.8	1.3	2.6	4.0	1.8
HIP REPLACEMENT/RECONSTRUCTION	579	2.9	3.3	0.8	4.8	6.0	1.2	5.4	8.1	1.7
OPEN REDUCTION OF HIP FRACTURE	485	7.4	6.1	2.1	12.6	11.1	2.5	16.5	14.7	2.8
PROSTATECTOMY	1,720	0.9	0.9	0.2	1.9	2.0	0.4	2.9	3.4	0.6
CHOLECYSTECTOMY	780	2.8	2.4	0.7	4.5	4.3	0.7	5.6	5.7	0.8
HYSTERECTOMY	333	0.0	0.5	0.4	0.3	1.2	0.7	0.9	1.9	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 272,706

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.67	28.08	0.10	0.88	0.00	4.13	4.32	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.94	0.02	0.92	0.02					
CONGESTIVE HEART FAILURE	1.46	1.65	0.02	0.89	0.01					
PNEUMONIA/INFLUENZA	1.06	1.36	0.02	0.78	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.61	0.01	0.88	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.38	0.01	0.89	0.03					
STROKE	0.83	0.93	0.02	0.89	0.02					
HIP FRACTURE	0.52	0.53	0.01	0.99	0.03					
SEPSIS	0.31	0.36	0.01	0.87	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.34	0.01	0.93	0.03					
CORONARY ARTERY BYPASS GRAFT	0.44	0.45	0.01	0.97	0.03					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.10	0.05					
CAROTID ENDARTERECTOMY	0.16	0.16	0.01	0.96	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.43	0.01	0.96	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.26	0.01	1.06	0.04					
PROSTATECTOMY	0.93	0.89	0.02	1.04	0.02					
CHOLECYSTECTOMY	0.44	0.50	0.01	0.91	0.03					
HYSTERECTOMY	0.19	0.18	0.01	1.05	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

ALBANY, GA (0120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,041	9.3	8.3	0.6	14.3	13.1	0.7	17.9	16.6	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	112	25.0	23.1	4.9	25.9	26.3	4.7	28.6	28.9	4.4
CONGESTIVE HEART FAILURE	145	14.5	13.3	3.8	20.7	21.6	3.5	28.3	27.7	4.2
PNEUMONIA/INFLUENZA	140	17.9	17.5	5.0	25.7	24.3	4.0	28.6	28.5	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	59	6.8	7.2	4.2	15.3	12.9	6.4	20.3	17.1	7.2
TRANSIENT CEREBRAL ISCHEMIA	44	0.0	2.0	*	2.3	4.6	*	6.8	7.7	*
STROKE	139	28.1	19.4	5.3	35.3	26.4	5.6	39.6	30.4	5.7
HIP FRACTURE	108	1.9	6.7	4.9	8.3	11.7	4.7	14.8	15.0	3.9
SEPSIS	43	23.3	27.5	*	32.6	38.0	*	39.5	43.8	*
PROCEDURES:										
ANGIOPLASTY	7	0.0	1.8	*	0.0	2.2	*	0.0	2.8	*
CORONARY ARTERY BYPASS GRAFT	31	3.2	4.4	*	3.2	6.4	*	3.2	7.4	*
INITIAL PACEMAKER INSERTION	39	0.0	4.0	*	15.4	7.6	*	15.4	10.6	*
CAROTID ENDARTERECTOMY	22	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	80	2.5	3.4	2.9	6.3	6.3	4.6	8.7	8.5	4.0
OPEN REDUCTION OF HIP FRACTURE	41	2.4	6.5	*	12.2	11.8	*	22.0	15.2	*
PROSTATECTOMY	133	0.0	0.7	1.2	2.3	1.5	1.2	3.0	2.6	1.9
CHOLECYSTECTOMY	88	4.5	2.8	2.6	6.8	5.4	3.5	6.8	7.4	5.0
HYSTERECTOMY	36	0.0	0.2	*	2.8	0.6	*	2.8	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 12,822

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.71	31.80	0.50	0.97	0.01	5.12	4.89	0.19	1.04	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.81	0.08	1.08	0.11					
CONGESTIVE HEART FAILURE	1.35	2.12	0.13	0.63	0.04					
PNEUMONIA/INFLUENZA	1.36	1.33	0.10	1.01	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.61	0.07	**	**					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.46	0.06	0.60	0.08					
STROKE	1.07	1.10	0.09	0.97	0.08					
HIP FRACTURE	0.59	0.48	0.06	1.23	0.16					
SEPSIS	0.37	0.49	0.06	0.76	0.10					
PROCEDURES:										
ANGIOPLASTY	0.09	0.25	0.04	0.28	0.05					
CORONARY ARTERY BYPASS GRAFT	0.22	0.35	0.05	0.61	0.09					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.04	0.85	0.18					
CAROTID ENDARTERECTOMY	0.05	0.11	0.03	0.41	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.33	0.05	1.42	0.22					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.24	0.04	1.18	0.22					
PROSTATECTOMY	0.80	0.66	0.07	1.22	0.13					
CHOLECYSTECTOMY	0.51	0.41	0.06	1.24	0.17					
HYSTERECTOMY	0.22	0.15	0.03	1.51	0.36					

** QUANTITIES COULD NOT BE ESTIMATED

ATHENS, GA (0500)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,114	8.6	8.2	0.5	12.4	12.6	0.5	15.4	15.9	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	129	31.0	24.5	5.0	33.3	27.5	4.8	33.3	30.3	4.6
CONGESTIVE HEART FAILURE	182	18.7	14.1	3.0	24.2	22.3	3.2	27.5	28.4	3.4
PNEUMONIA/INFLUENZA	239	15.1	14.6	2.4	20.9	20.2	4.2	25.1	23.8	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	121	3.3	7.3	2.8	7.4	13.1	3.7	12.4	17.5	3.9
TRANSIENT CEREBRAL ISCHEMIA	71	1.4	1.8	1.6	4.2	4.2	2.4	9.9	6.7	4.0
STROKE	194	18.0	20.7	4.4	25.3	26.9	3.4	31.4	30.7	3.4
HIP FRACTURE	144	5.6	6.1	2.2	8.3	10.9	3.0	9.7	14.2	4.0
SEPSIS	44	20.5	21.7	*	27.3	30.5	*	29.5	35.6	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	42	7.1	3.0	*	11.9	5.8	*	16.7	8.3	*
CAROTID ENDARTERECTOMY	17	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	113	0.9	3.1	2.8	2.7	6.0	4.3	5.3	8.2	5.0
OPEN REDUCTION OF HIP FRACTURE	62	4.8	6.1	3.2	8.1	11.1	5.4	9.7	14.7	7.3
PROSTATECTOMY	149	0.0	0.9	1.2	1.3	2.1	1.4	2.7	3.6	1.8
CHOLECYSTECTOMY	105	3.8	3.5	3.2	5.7	6.2	3.2	6.7	8.1	2.8
HYSTERECTOMY	42	4.8	0.7	*	4.8	1.5	*	4.8	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,147

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.99	30.13	0.41	1.19	0.02	4.65	4.80	0.16	0.97	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.85	0.07	1.07	0.09					
CONGESTIVE HEART FAILURE	1.49	1.94	0.10	0.76	0.04					
PNEUMONIA/INFLUENZA	1.82	1.35	0.09	1.34	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.98	0.59	0.06	1.68	0.17					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.41	0.05	1.03	0.13					
STROKE	1.09	1.00	0.07	1.08	0.08					
HIP FRACTURE	0.75	0.57	0.06	1.30	0.13					
SEPSIS	0.32	0.42	0.05	0.75	0.09					
PROCEDURES:										
ANGIOPLASTY	0.41	0.26	0.04	1.60	0.26					
CORONARY ARTERY BYPASS GRAFT	0.35	0.36	0.04	1.00	0.13					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.03	0.85	0.17					
CAROTID ENDARTERECTOMY	0.07	0.11	0.03	0.35	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.38	0.05	1.30	0.17					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.28	0.04	1.28	0.20					
PROSTATECTOMY	0.73	0.67	0.06	1.11	0.10					
CHOLECYSTECTOMY	0.50	0.44	0.05	1.17	0.14					
HYSTERECTOMY	0.19	0.17	0.03	1.04	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

ATLANTA, GA (0520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	60,882	8.0	8.1	0.2	12.3	12.4	0.2	15.5	15.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,479	22.4	25.4	1.9	26.2	28.4	2.1	29.3	31.1	2.2
CONGESTIVE HEART FAILURE	2,397	14.3	14.0	1.2	22.7	22.4	1.2	29.4	28.5	1.2
PNEUMONIA/INFLUENZA	2,986	12.5	14.3	0.9	17.8	19.7	1.1	21.5	23.2	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,058	6.1	7.6	1.0	9.9	13.5	1.7	14.7	17.8	1.6
TRANSIENT CEREBRAL ISCHEMIA	800	1.2	1.7	0.6	3.1	3.7	0.9	4.5	5.9	1.4
STROKE	1,897	19.7	18.8	1.6	25.8	25.1	1.4	29.6	28.9	1.3
HIP FRACTURE	1,431	7.2	6.5	0.9	12.5	11.5	1.3	15.4	14.9	1.2
SEPSIS	740	25.0	24.0	2.2	33.0	31.7	2.3	37.8	36.4	2.5
PROCEDURES:										
ANGIOPLASTY	895	1.6	1.8	0.5	2.8	2.6	0.6	3.5	3.4	0.6
CORONARY ARTERY BYPASS GRAFT	854	6.8	4.8	1.7	8.8	7.1	1.7	9.7	8.1	1.6
INITIAL PACEMAKER INSERTION	432	3.5	3.1	1.0	6.0	5.8	1.2	9.7	8.4	1.9
CAROTID ENDARTERECTOMY	335	1.8	1.5	0.9	3.3	2.9	1.0	3.9	4.3	1.7
HIP REPLACEMENT/RECONSTRUCTION	1,017	3.6	3.2	0.7	6.3	5.9	0.8	8.3	8.0	0.9
OPEN REDUCTION OF HIP FRACTURE	737	7.1	6.1	1.3	12.1	11.1	2.0	15.2	14.5	1.9
PROSTATECTOMY	1,638	0.9	1.0	0.3	2.3	2.4	0.4	3.5	4.0	0.7
CHOLECYSTECTOMY	1,046	2.1	2.4	0.6	4.0	4.3	0.8	5.0	5.6	0.9
HYSTERECTOMY	457	0.4	0.7	0.4	1.3	1.5	0.8	2.4	2.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 262,214

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.38	28.09	0.10	1.19	0.00	4.71	4.73	0.04	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.78	0.02	1.07	0.02					
CONGESTIVE HEART FAILURE	1.70	1.83	0.03	0.93	0.01					
PNEUMONIA/INFLUENZA	1.65	1.10	0.02	1.50	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.76	0.49	0.01	1.52	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.38	0.01	1.10	0.03					
STROKE	1.00	0.94	0.02	1.06	0.02					
HIP FRACTURE	0.69	0.54	0.01	1.27	0.03					
SEPSIS	0.45	0.43	0.01	1.06	0.03					
PROCEDURES:										
ANGIOPLASTY	0.40	0.26	0.01	1.50	0.06					
CORONARY ARTERY BYPASS GRAFT	0.37	0.36	0.01	1.04	0.03					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.09	0.05					
CAROTID ENDARTERECTOMY	0.15	0.10	0.01	1.45	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.37	0.01	1.25	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.28	0.01	1.26	0.05					
PROSTATECTOMY	0.76	0.65	0.02	1.17	0.03					
CHOLECYSTECTOMY	0.46	0.38	0.01	1.21	0.04					
HYSTERECTOMY	0.17	0.16	0.01	1.10	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

AUGUSTA, GA-SC (0600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,762	8.8	8.6	0.3	13.5	13.2	0.4	16.9	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	250	26.0	26.4	2.8	31.2	29.0	3.6	34.0	31.5	3.6
CONGESTIVE HEART FAILURE	440	16.1	13.2	2.1	23.0	21.2	2.1	29.3	27.0	2.4
PNEUMONIA/INFLUENZA	530	17.2	16.0	2.4	24.0	22.1	2.8	28.5	25.9	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	178	4.5	7.7	3.5	12.9	13.6	3.6	16.9	18.0	3.2
TRANSIENT CEREBRAL ISCHEMIA	148	0.7	1.5	1.3	1.4	3.4	2.4	2.0	5.5	3.5
STROKE	394	21.1	19.8	2.1	25.9	26.5	2.3	30.5	30.3	2.7
HIP FRACTURE	248	6.5	6.1	1.6	10.9	10.8	2.0	14.5	14.0	2.3
SEPSIS	190	32.6	24.5	4.2	43.2	32.3	5.1	48.9	36.5	5.5
PROCEDURES:										
ANGIOPLASTY	221	3.2	2.6	1.2	4.1	3.4	1.6	5.0	4.3	1.7
CORONARY ARTERY BYPASS GRAFT	199	10.1	5.0	2.3	13.6	7.0	2.9	15.6	7.9	3.3
INITIAL PACEMAKER INSERTION	218	3.7	2.4	1.6	4.6	4.9	1.6	7.3	7.2	1.8
CAROTID ENDARTERECTOMY	22	0.0	1.2	*	0.0	2.1	*	9.1	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	171	4.7	3.3	2.3	7.0	6.0	3.0	9.4	8.0	3.1
OPEN REDUCTION OF HIP FRACTURE	122	4.9	5.8	2.6	10.7	10.5	3.0	14.8	13.8	3.2
PROSTATECTOMY	164	1.2	0.8	0.9	2.4	1.8	1.5	3.7	3.1	1.8
CHOLECYSTECTOMY	201	3.0	2.7	1.2	6.0	5.0	1.9	6.5	6.6	2.1
HYSTERECTOMY	72	0.0	0.4	1.0	1.4	0.9	1.2	2.8	1.5	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,011

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.26	30.81	0.26	0.98	0.01	5.28	4.63	0.10	1.14	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.83	0.04	0.84	0.04					
CONGESTIVE HEART FAILURE	1.48	2.00	0.07	0.75	0.02					
PNEUMONIA/INFLUENZA	1.55	1.29	0.05	1.21	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.62	0.04	1.00	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.37	0.44	0.03	0.83	0.06					
STROKE	0.95	1.03	0.05	0.92	0.04					
HIP FRACTURE	0.55	0.49	0.03	1.11	0.08					
SEPSIS	0.52	0.44	0.03	1.15	0.08					
PROCEDURES:										
ANGIOPLASTY	0.54	0.27	0.02	2.00	0.19					
CORONARY ARTERY BYPASS GRAFT	0.43	0.38	0.03	1.25	0.10					
INITIAL PACEMAKER INSERTION	0.48	0.19	0.02	2.48	0.28					
CAROTID ENDARTERECTOMY	0.05	0.12	0.02	0.42	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.34	0.03	1.02	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.24	0.02	1.08	0.11					
PROSTATECTOMY	0.37	0.67	0.04	0.56	0.03					
CHOLECYSTECTOMY	0.43	0.44	0.03	1.02	0.07					
HYSTERECTOMY	0.13	0.16	0.02	0.82	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

CHATTANOOGA, TN-GA (1560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,598	9.2	9.2	0.3	13.9	13.9	0.3	17.0	17.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	416	21.9	25.6	3.5	25.5	28.5	3.5	28.6	31.1	3.8
CONGESTIVE HEART FAILURE	689	16.5	13.6	2.1	25.5	21.6	2.7	30.6	27.5	2.7
PNEUMONIA/INFLUENZA	726	15.6	15.6	1.3	19.3	21.3	1.7	22.3	24.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	279	7.5	8.6	1.8	11.8	15.2	2.7	15.8	20.1	3.0
TRANSIENT CEREBRAL ISCHEMIA	234	1.3	1.9	1.5	2.6	4.2	2.2	6.8	6.7	3.2
STROKE	511	20.7	20.6	1.9	28.0	27.1	2.4	31.3	30.8	2.3
HIP FRACTURE	350	6.0	6.7	1.5	10.3	11.6	2.2	12.9	15.0	3.0
SEPSIS	159	27.0	23.9	5.8	33.3	30.8	4.9	36.5	35.3	4.7
PROCEDURES:										
ANGIOPLASTY	117	1.7	2.6	1.7	3.4	3.4	1.7	4.3	4.2	2.4
CORONARY ARTERY BYPASS GRAFT	220	5.9	5.6	1.7	8.2	7.9	1.8	10.5	8.9	2.1
INITIAL PACEMAKER INSERTION	79	2.5	2.6	1.9	5.1	4.9	2.5	6.3	7.0	3.0
CAROTID ENDARTERECTOMY	57	3.5	1.5	3.3	7.0	2.9	4.8	7.0	4.3	4.7
HIP REPLACEMENT/RECONSTRUCTION	254	2.8	3.4	1.2	4.3	6.2	1.9	7.1	8.3	2.1
OPEN REDUCTION OF HIP FRACTURE	196	4.6	5.6	1.8	10.2	10.1	2.3	13.3	13.3	2.6
PROSTATECTOMY	388	0.8	1.0	0.7	1.5	2.2	1.1	3.1	3.8	1.1
CHOLECYSTECTOMY	294	2.4	2.5	1.5	3.7	4.5	1.7	5.4	6.1	1.7
HYSTERECTOMY	116	0.9	0.3	0.7	1.7	0.8	1.2	2.6	1.3	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 65,038

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.95	30.54	0.22	1.01	0.01	5.07	4.68	0.08	1.08	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.81	0.93	0.04	0.88	0.04					
CONGESTIVE HEART FAILURE	1.83	1.93	0.05	0.94	0.03					
PNEUMONIA/INFLUENZA	1.53	1.42	0.05	1.07	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.64	0.03	1.10	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.45	0.03	1.02	0.06					
STROKE	1.06	1.00	0.04	1.06	0.04					
HIP FRACTURE	0.65	0.59	0.03	1.10	0.06					
SEPSIS	0.40	0.39	0.02	1.00	0.06					
PROCEDURES:										
ANGIOPLASTY	0.22	0.28	0.02	0.79	0.06					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.02	1.07	0.07					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.02	0.69	0.06					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.77	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.42	0.03	1.03	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.28	0.02	1.29	0.10					
PROSTATECTOMY	0.66	0.70	0.03	0.95	0.04					
CHOLECYSTECTOMY	0.52	0.48	0.03	1.06	0.06					
HYSTERECTOMY	0.17	0.18	0.02	0.97	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBUS, GA-AL (1800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	7,654	9.6	7.7	0.3	14.4	11.9	0.5	17.8	15.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	198	31.8	24.3	4.2	36.4	27.0	4.4	38.4	29.5	4.7
CONGESTIVE HEART FAILURE	361	18.0	13.1	2.8	25.5	20.9	3.6	31.9	26.8	3.4
PNEUMONIA/INFLUENZA	278	15.1	13.2	2.7	20.9	18.2	3.1	27.7	21.6	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	108	6.5	7.0	3.2	9.3	12.1	5.7	13.0	16.0	6.5
TRANSIENT CEREBRAL ISCHEMIA	76	0.0	1.4	1.8	2.6	3.2	2.2	3.9	5.4	3.0
STROKE	259	20.5	18.7	3.9	29.0	24.4	5.6	33.2	28.0	5.5
HIP FRACTURE	179	6.1	6.1	2.0	12.3	10.8	3.0	14.5	14.0	2.6
SEPSIS	110	33.6	22.6	6.5	43.6	29.9	6.3	44.5	34.5	7.0
PROCEDURES:										
ANGIOPLASTY	52	3.8	2.7	3.2	5.8	3.5	4.2	7.7	4.2	5.2
CORONARY ARTERY BYPASS GRAFT	71	5.6	5.8	3.1	7.0	8.0	3.3	7.0	8.9	3.8
INITIAL PACEMAKER INSERTION	48	0.0	3.0	*	0.0	5.6	*	4.2	8.1	*
CAROTID ENDARTERECTOMY	45	0.0	1.1	*	2.2	2.1	*	2.2	3.2	*
HIP REPLACEMENT/RECONSTRUCTION	184	2.2	2.2	1.4	3.8	4.1	1.6	6.5	5.6	1.9
OPEN REDUCTION OF HIP FRACTURE	103	6.8	5.7	2.8	14.6	10.5	4.6	14.6	13.7	4.6
PROSTATECTOMY	293	0.3	1.0	1.3	2.4	2.3	1.5	4.4	4.0	1.7
CHOLECYSTECTOMY	153	3.3	2.0	1.4	3.9	3.8	1.9	7.2	5.1	2.3
HYSTERECTOMY	46	0.0	0.3	*	0.0	0.7	*	2.2	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 30,553

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	30.11	32.29	0.32	0.93	0.01	5.51	4.83	0.13	1.14	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.87	0.05	0.89	0.05					
CONGESTIVE HEART FAILURE	1.89	2.14	0.08	0.88	0.03					
PNEUMONIA/INFLUENZA	1.11	1.38	0.07	0.80	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.65	0.05	0.73	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.49	0.04	0.57	0.05					
STROKE	1.06	1.11	0.06	0.96	0.05					
HIP FRACTURE	0.61	0.52	0.04	1.16	0.09					
SEPSIS	0.49	0.48	0.04	1.01	0.09					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.03	0.93	0.11					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.03	0.97	0.09					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.03	0.76	0.10					
CAROTID ENDARTERECTOMY	0.15	0.12	0.02	1.19	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.35	0.03	1.23	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.26	0.03	1.30	0.15					
PROSTATECTOMY	0.87	0.68	0.05	1.28	0.09					
CHOLECYSTECTOMY	0.53	0.45	0.04	1.16	0.10					
HYSTERECTOMY	0.15	0.16	0.02	0.85	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

MACON-WARNER ROBINS, GA (4680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,448	8.8	7.8	0.4	13.4	12.0	0.5	16.5	15.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	206	25.2	23.0	3.2	31.6	26.1	4.6	35.4	28.8	4.9
CONGESTIVE HEART FAILURE	355	11.0	12.5	2.0	19.2	20.2	2.3	26.5	26.0	2.4
PNEUMONIA/INFLUENZA	354	15.5	13.9	3.2	21.8	19.2	2.7	24.6	22.7	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	156	5.8	7.5	2.8	12.2	13.1	4.7	13.5	17.3	5.5
TRANSIENT CEREBRAL ISCHEMIA	94	2.1	1.3	1.2	4.3	2.9	2.0	7.4	4.7	3.2
STROKE	259	20.8	18.9	5.3	27.8	24.4	5.5	32.4	27.9	5.5
HIP FRACTURE	192	7.8	5.9	3.2	13.5	10.3	4.7	16.7	13.3	4.9
SEPSIS	111	28.8	21.3	6.0	38.7	29.2	6.8	43.2	34.0	7.1
PROCEDURES:										
ANGIOPLASTY	76	0.0	2.3	*	0.0	3.1	*	0.0	4.0	*
CORONARY ARTERY BYPASS GRAFT	139	4.3	5.9	2.5	9.4	8.4	3.5	10.1	9.5	2.8
INITIAL PACEMAKER INSERTION	72	2.8	3.2	2.8	5.6	6.1	3.4	6.9	8.7	3.7
CAROTID ENDARTERECTOMY	48	0.0	1.3	*	2.1	2.5	*	2.1	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	109	4.6	3.3	2.1	7.3	5.9	2.6	8.3	7.9	2.6
OPEN REDUCTION OF HIP FRACTURE	85	7.1	5.5	4.2	14.1	9.9	6.4	20.0	13.1	8.2
PROSTATECTOMY	207	1.0	0.8	0.7	1.4	1.9	1.0	3.4	3.4	1.3
CHOLECYSTECTOMY	162	4.9	2.2	1.8	7.4	4.1	2.5	8.6	5.7	2.6
HYSTERECTOMY	61	1.6	0.6	1.6	1.6	1.4	1.8	3.3	2.2	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,340

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.66	31.06	0.29	1.02	0.01	4.91	4.80	0.11	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.81	0.05	1.00	0.06					
CONGESTIVE HEART FAILURE	1.71	2.09	0.08	0.82	0.03					
PNEUMONIA/INFLUENZA	1.43	1.26	0.06	1.13	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.76	0.60	0.04	1.28	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.44	0.03	0.88	0.07					
STROKE	0.98	1.05	0.05	0.93	0.05					
HIP FRACTURE	0.60	0.50	0.04	1.19	0.09					
SEPSIS	0.51	0.47	0.04	1.07	0.08					
PROCEDURES:										
ANGIOPLASTY	0.29	0.26	0.03	1.15	0.12					
CORONARY ARTERY BYPASS GRAFT	0.46	0.36	0.03	1.25	0.11					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.02	1.23	0.15					
CAROTID ENDARTERECTOMY	0.13	0.11	0.02	1.12	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.33	0.33	0.03	1.02	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.25	0.03	1.20	0.13					
PROSTATECTOMY	0.54	0.63	0.04	0.84	0.06					
CHOLECYSTECTOMY	0.50	0.42	0.03	1.24	0.10					
HYSTERECTOMY	0.15	0.16	0.02	0.93	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

SAVANNAH, GA (7520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,288	7.7	8.3	0.4	13.3	13.1	0.5	17.0	16.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	205	18.0	24.4	5.4	23.4	27.4	5.2	24.9	30.0	5.6
CONGESTIVE HEART FAILURE	431	13.2	13.0	1.9	22.0	20.8	2.1	26.2	26.7	2.2
PNEUMONIA/INFLUENZA	379	13.2	14.2	2.1	18.7	19.8	2.6	23.5	23.5	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	173	10.4	7.2	2.9	17.3	12.8	4.3	21.4	17.0	4.7
TRANSIENT CEREBRAL ISCHEMIA	120	0.0	1.7	1.9	1.7	3.7	2.5	4.2	5.9	2.6
STROKE	333	20.4	18.4	3.6	29.7	24.9	4.4	34.2	28.6	4.5
HIP FRACTURE	173	5.2	6.6	2.8	9.2	11.7	3.1	15.0	15.2	3.7
SEPSIS	107	22.4	25.4	4.5	41.1	34.5	6.3	48.6	40.0	6.9
PROCEDURES:										
ANGIOPLASTY	108	1.9	4.3	3.5	4.6	5.4	4.1	5.6	6.5	3.8
CORONARY ARTERY BYPASS GRAFT	208	6.2	6.9	2.1	9.6	10.0	2.6	10.1	11.3	2.6
INITIAL PACEMAKER INSERTION	59	3.4	2.8	2.2	3.4	5.7	3.6	3.4	8.4	5.5
CAROTID ENDARTERECTOMY	67	4.5	1.7	2.6	7.5	3.0	3.9	9.0	4.4	5.0
HIP REPLACEMENT/RECONSTRUCTION	151	2.6	2.5	1.8	4.6	4.7	2.8	4.6	6.4	3.1
OPEN REDUCTION OF HIP FRACTURE	89	5.6	6.0	2.5	11.2	10.9	4.1	19.1	14.5	6.0
PROSTATECTOMY	243	0.4	1.0	0.9	3.7	2.3	1.5	6.2	4.0	2.2
CHOLECYSTECTOMY	174	2.9	3.4	2.2	4.6	5.9	2.5	6.3	7.4	2.5
HYSTERECTOMY	65	0.0	0.6	1.1	0.0	1.3	1.9	1.5	2.1	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 33,171

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.06	30.49	0.30	1.02	0.01	4.77	4.78	0.12	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.82	0.05	0.86	0.05					
CONGESTIVE HEART FAILURE	1.88	2.02	0.08	0.93	0.04					
PNEUMONIA/INFLUENZA	1.44	1.25	0.06	1.16	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.57	0.04	1.07	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.44	0.04	0.75	0.06					
STROKE	0.93	1.04	0.06	0.90	0.05					
HIP FRACTURE	0.54	0.50	0.04	1.08	0.08					
SEPSIS	0.49	0.46	0.04	1.01	0.08					
PROCEDURES:										
ANGIOPLASTY	0.22	0.26	0.03	0.84	0.09					
CORONARY ARTERY BYPASS GRAFT	0.51	0.36	0.03	1.40	0.13					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.93	0.12					
CAROTID ENDARTERECTOMY	0.15	0.11	0.02	1.33	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.36	0.03	1.06	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.25	0.03	1.13	0.13					
PROSTATECTOMY	0.68	0.70	0.05	0.96	0.06					
CHOLECYSTECTOMY	0.52	0.41	0.03	1.24	0.11					
HYSTERECTOMY	0.15	0.16	0.02	0.95	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

GA-(NONMSA) (99GA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	60,817	9.5	8.9	0.2	13.9	13.5	0.2	17.2	16.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,763	27.7	26.0	1.2	32.3	29.0	2.1	35.4	31.8	2.2
CONGESTIVE HEART FAILURE	3,061	13.7	13.7	1.0	21.6	21.8	0.8	27.9	27.8	1.1
PNEUMONIA/INFLUENZA	4,125	14.6	14.1	0.8	19.9	19.5	0.7	22.8	23.0	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,315	6.2	7.5	0.8	11.0	13.2	1.2	14.7	17.6	1.5
TRANSIENT CEREBRAL ISCHEMIA	1,038	1.9	1.8	0.5	4.6	4.0	0.9	6.8	6.4	0.9
STROKE	2,313	23.9	19.7	1.2	29.7	26.0	1.2	33.2	29.8	1.2
HIP FRACTURE	1,155	7.8	6.7	1.1	12.5	11.6	1.3	16.5	15.0	1.7
SEPSIS	867	24.6	24.6	1.7	32.1	32.1	1.7	37.3	36.8	2.2
PROCEDURES:										
ANGIOPLASTY	72	4.2	2.5	2.3	4.2	3.4	2.5	4.2	4.3	3.8
CORONARY ARTERY BYPASS GRAFT	122	2.5	5.4	2.6	3.3	7.5	3.4	3.3	8.5	3.6
INITIAL PACEMAKER INSERTION	369	2.2	2.8	1.0	6.0	5.5	1.7	8.7	7.9	1.9
CAROTID ENDARTERECTOMY	236	1.7	1.6	0.9	3.4	3.0	1.3	5.9	4.4	1.8
HIP REPLACEMENT/RECONSTRUCTION	631	5.1	4.0	1.6	8.4	7.2	2.3	11.3	9.6	2.4
OPEN REDUCTION OF HIP FRACTURE	600	7.5	6.0	1.3	12.8	10.9	1.7	16.8	14.3	2.0
PROSTATECTOMY	1,178	1.3	1.0	0.4	2.2	2.3	0.5	4.1	4.0	0.6
CHOLECYSTECTOMY	1,051	2.8	2.4	0.6	4.7	4.3	0.7	6.1	5.6	0.8
HYSTERECTOMY	343	0.0	0.5	0.5	0.6	1.2	0.7	1.5	1.9	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 330,903

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.83	32.64	0.10	1.13	0.00	4.97	4.85	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.93	0.02	1.12	0.02					
CONGESTIVE HEART FAILURE	1.99	2.09	0.02	0.95	0.01					
PNEUMONIA/INFLUENZA	2.04	1.58	0.02	1.29	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.86	0.69	0.01	1.21	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.46	0.01	1.08	0.03					
STROKE	1.18	1.09	0.02	1.08	0.02					
HIP FRACTURE	0.59	0.56	0.01	1.05	0.03					
SEPSIS	0.50	0.44	0.01	1.12	0.03					
PROCEDURES:										
ANGIOPLASTY	0.30	0.27	0.01	1.12	0.04					
CORONARY ARTERY BYPASS GRAFT	0.40	0.38	0.01	1.05	0.03					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.01	1.25	0.05					
CAROTID ENDARTERECTOMY	0.16	0.12	0.01	1.26	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.38	0.01	1.01	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.01	1.10	0.04					
PROSTATECTOMY	0.66	0.70	0.01	0.93	0.02					
CHOLECYSTECTOMY	0.54	0.49	0.01	1.12	0.03					
HYSTERECTOMY	0.17	0.17	0.01	1.02	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

HONOLULU, HI (3320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,547	8.4	9.6	0.4	13.3	14.4	0.4	16.8	17.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	400	21.5	24.4	4.5	26.5	27.4	4.8	29.0	30.1	4.4
CONGESTIVE HEART FAILURE	544	12.5	14.1	2.5	19.7	22.4	3.5	27.0	28.4	4.2
PNEUMONIA/INFLUENZA	525	15.0	15.1	1.7	19.6	20.7	2.3	24.0	24.4	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	134	6.7	8.4	3.0	17.9	14.8	4.0	23.1	19.5	5.5
TRANSIENT CEREBRAL ISCHEMIA	164	0.6	1.5	1.2	1.8	3.5	2.1	3.0	5.7	2.8
STROKE	732	16.4	20.3	1.7	21.0	26.2	2.3	24.3	29.7	2.3
HIP FRACTURE	339	5.3	6.1	1.9	10.0	11.2	2.8	12.1	14.7	3.3
SEPSIS	224	19.2	22.3	4.6	26.8	30.8	5.1	30.4	35.5	5.5
PROCEDURES:										
ANGIOPLASTY	207	2.9	2.6	1.2	5.8	3.4	1.9	8.2	4.2	2.4
CORONARY ARTERY BYPASS GRAFT	239	11.3	5.4	2.5	16.7	7.5	3.4	16.7	8.5	2.8
INITIAL PACEMAKER INSERTION	128	3.1	3.4	1.6	7.0	6.6	2.3	9.4	9.5	3.3
CAROTID ENDARTERECTOMY	63	0.0	1.5	2.1	0.0	2.8	3.4	3.2	4.1	2.7
HIP REPLACEMENT/RECONSTRUCTION	205	3.4	2.9	1.3	5.9	5.5	1.7	6.3	7.6	2.1
OPEN REDUCTION OF HIP FRACTURE	209	5.3	5.8	1.8	10.0	10.9	2.4	13.4	14.4	2.6
PROSTATECTOMY	688	0.1	0.9	0.6	0.9	2.0	1.0	2.6	3.4	0.9
CHOLECYSTECTOMY	282	2.1	2.8	1.2	3.9	5.3	1.9	4.6	7.3	2.2
HYSTERECTOMY	94	0.0	0.7	1.0	1.1	1.7	1.6	2.1	2.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 96,760

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	18.31	22.86	0.15	0.80	0.00	3.61	4.04	0.06	0.89	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.53	0.77	0.03	0.69	0.02					
CONGESTIVE HEART FAILURE	0.92	1.27	0.04	0.73	0.02					
PNEUMONIA/INFLUENZA	0.74	0.96	0.03	0.77	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.20	0.40	0.02	0.50	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.27	0.02	0.82	0.05					
STROKE	0.89	0.76	0.03	1.16	0.04					
HIP FRACTURE	0.40	0.48	0.02	0.82	0.04					
SEPSIS	0.32	0.31	0.02	1.02	0.06					
PROCEDURES:										
ANGIOPLASTY	0.23	0.33	0.02	0.70	0.04					
CORONARY ARTERY BYPASS GRAFT	0.30	0.40	0.02	0.73	0.04					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.80	0.06					
CAROTID ENDARTERECTOMY	0.07	0.12	0.01	0.57	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.24	0.42	0.02	0.57	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.25	0.02	0.95	0.06					
PROSTATECTOMY	0.72	0.84	0.03	0.86	0.03					
CHOLECYSTECTOMY	0.32	0.38	0.02	0.85	0.04					
HYSTERECTOMY	0.10	0.17	0.01	0.58	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

HI-(NONMSA) (99HI)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,497	8.5	9.2	0.6	12.7	13.7	0.7	15.9	17.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	148	24.3	25.3	3.8	27.7	28.2	3.8	31.8	30.9	4.7
CONGESTIVE HEART FAILURE	243	15.6	13.8	2.5	22.6	21.7	2.9	28.0	27.7	3.0
PNEUMONIA/INFLUENZA	240	12.1	14.1	2.8	15.0	19.2	3.8	17.5	22.7	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	56	5.4	7.5	4.0	14.3	12.9	5.0	17.9	17.1	5.2
TRANSIENT CEREBRAL ISCHEMIA	74	0.0	1.3	1.8	0.0	3.0	3.3	0.0	5.0	5.1
STROKE	227	20.7	19.3	2.9	26.4	25.1	3.1	28.2	28.6	3.1
HIP FRACTURE	128	5.5	6.6	2.3	10.2	11.6	3.2	17.2	15.1	3.4
SEPSIS	69	23.2	27.3	5.8	26.1	35.2	6.5	29.0	39.7	7.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	51	2.0	3.0	2.8	5.9	5.6	4.8	11.8	7.9	6.5
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	35	2.9	3.9	*	2.9	7.4	*	8.6	9.8	*
OPEN REDUCTION OF HIP FRACTURE	76	7.9	5.3	3.3	11.8	9.9	5.5	17.1	13.4	6.1
PROSTATECTOMY	141	0.0	0.8	1.5	2.1	1.8	1.2	3.5	3.1	1.5
CHOLECYSTECTOMY	98	2.0	2.2	2.0	2.0	4.0	2.9	4.1	5.3	3.5
HYSTERECTOMY	37	0.0	0.4	*	0.0	0.8	*	2.7	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,232

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.87	23.41	0.25	0.89	0.01	3.78	4.11	0.11	0.92	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.64	0.81	0.05	0.80	0.05					
CONGESTIVE HEART FAILURE	1.19	1.26	0.06	0.96	0.05					
PNEUMONIA/INFLUENZA	0.91	1.12	0.06	0.82	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.26	0.43	0.04	0.69	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.27	0.03	1.02	0.12					
STROKE	0.80	0.78	0.05	1.00	0.06					
HIP FRACTURE	0.43	0.48	0.04	0.88	0.07					
SEPSIS	0.33	0.30	0.03	1.12	0.12					
PROCEDURES:										
ANGIOPLASTY	0.16	0.32	0.03	0.50	0.05					
CORONARY ARTERY BYPASS GRAFT	0.21	0.40	0.03	0.46	0.04					
INITIAL PACEMAKER INSERTION	0.20	0.19	0.02	1.18	0.17					
CAROTID ENDARTERECTOMY	0.06	0.11	0.02	0.46	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.20	0.43	0.03	0.47	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.25	0.03	1.02	0.13					
PROSTATECTOMY	0.75	0.92	0.05	0.82	0.05					
CHOLECYSTECTOMY	0.36	0.41	0.03	0.90	0.08					
HYSTERECTOMY	0.14	0.17	0.02	0.84	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

CEDAR RAPIDS, IA (1360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,190	8.1	6.6	0.5	12.5	10.5	0.6	15.4	13.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	162	20.4	17.1	4.0	25.3	20.3	4.6	27.8	23.1	4.3
CONGESTIVE HEART FAILURE	229	10.9	13.3	3.0	21.8	21.4	2.8	28.4	27.5	3.6
PNEUMONIA/INFLUENZA	299	15.7	14.4	2.4	22.7	20.1	3.3	24.7	24.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	136	12.5	5.5	3.1	19.9	10.2	3.9	25.7	14.2	4.4
TRANSIENT CEREBRAL ISCHEMIA	83	1.2	0.9	1.8	4.8	2.3	2.8	4.8	4.0	2.5
STROKE	208	19.7	15.3	4.2	27.9	21.4	5.2	29.8	25.3	4.9
HIP FRACTURE	185	7.0	5.3	3.5	14.1	9.9	4.1	15.7	13.4	4.3
SEPSIS	60	23.3	20.2	6.0	35.0	26.7	9.0	36.7	31.0	7.6
PROCEDURES:										
ANGIOPLASTY	36	0.0	3.1	*	2.8	4.5	*	2.8	5.7	*
CORONARY ARTERY BYPASS GRAFT	150	3.3	4.5	2.0	4.0	6.7	2.7	4.0	7.7	3.1
INITIAL PACEMAKER INSERTION	57	1.8	2.2	2.5	3.5	4.5	3.0	5.3	6.7	3.7
CAROTID ENDARTERECTOMY	34	0.0	1.2	*	2.9	2.3	*	2.9	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	171	4.7	2.5	2.3	7.6	4.7	3.0	9.4	6.5	3.3
OPEN REDUCTION OF HIP FRACTURE	94	4.3	4.9	3.7	10.6	9.3	3.5	12.8	12.6	4.0
PROSTATECTOMY	219	0.5	0.8	0.7	2.3	1.9	1.3	3.2	3.3	1.6
CHOLECYSTECTOMY	149	2.0	2.1	1.4	5.4	4.0	2.0	5.4	5.6	2.3
HYSTERECTOMY	62	0.0	0.4	0.8	0.0	0.9	1.4	1.6	1.5	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,842

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.35	27.57	0.34	1.03	0.01	4.55	4.77	0.14	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.90	0.06	0.78	0.05					
CONGESTIVE HEART FAILURE	1.50	1.65	0.08	0.91	0.05					
PNEUMONIA/INFLUENZA	1.45	1.33	0.07	1.08	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.52	0.05	1.36	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.36	0.04	1.08	0.12					
STROKE	0.88	0.89	0.06	0.99	0.07					
HIP FRACTURE	0.70	0.66	0.05	1.04	0.09					
SEPSIS	0.28	0.35	0.04	0.80	0.09					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.03	0.72	0.09					
CORONARY ARTERY BYPASS GRAFT	0.60	0.38	0.04	1.60	0.18					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.03	1.11	0.17					
CAROTID ENDARTERECTOMY	0.16	0.12	0.02	1.28	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.57	0.48	0.04	1.12	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.31	0.04	1.17	0.14					
PROSTATECTOMY	0.70	0.73	0.06	0.94	0.07					
CHOLECYSTECTOMY	0.51	0.44	0.04	1.20	0.12					
HYSTERECTOMY	0.24	0.18	0.03	1.49	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

DAVENPORT-ROCK ISLAND-MOLINE, IA-IL (1960)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,831	9.6	8.3	0.3	14.4	12.8	0.5	17.6	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	330	30.0	25.5	3.3	33.9	28.3	3.5	36.1	31.0	3.6
CONGESTIVE HEART FAILURE	563	15.5	14.2	2.8	24.3	22.6	3.3	30.2	28.8	3.0
PNEUMONIA/INFLUENZA	581	18.4	15.1	2.1	24.1	20.8	2.1	28.9	24.7	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	240	12.1	8.0	3.5	17.9	14.1	3.9	20.4	18.9	3.7
TRANSIENT CEREBRAL ISCHEMIA	237	3.0	1.5	1.2	4.6	3.3	2.0	5.5	5.5	3.8
STROKE	379	19.3	19.2	2.3	25.6	25.1	2.4	28.5	28.7	2.4
HIP FRACTURE	295	6.1	5.4	1.5	9.2	9.6	1.9	11.9	12.7	2.1
SEPSIS	123	22.0	24.2	4.6	33.3	32.5	4.3	40.7	37.3	5.2
PROCEDURES:										
ANGIOPLASTY	137	5.8	3.4	3.1	8.0	4.5	2.9	8.8	5.5	3.1
CORONARY ARTERY BYPASS GRAFT	117	2.6	5.6	3.7	5.1	8.1	4.3	6.8	9.1	4.7
INITIAL PACEMAKER INSERTION	70	2.9	3.7	2.5	7.1	7.2	3.1	14.3	10.2	4.7
CAROTID ENDARTERECTOMY	54	5.6	1.7	3.1	7.4	3.3	3.6	7.4	4.8	4.2
HIP REPLACEMENT/RECONSTRUCTION	221	1.8	2.7	1.2	3.2	5.0	1.8	5.0	6.8	2.4
OPEN REDUCTION OF HIP FRACTURE	138	5.8	5.0	3.2	11.6	9.1	4.7	13.8	12.1	4.9
PROSTATECTOMY	297	1.3	1.0	0.8	2.0	2.2	1.6	4.4	3.8	2.1
CHOLECYSTECTOMY	231	3.9	2.3	2.0	6.5	4.2	2.1	8.2	5.7	2.4
HYSTERECTOMY	83	2.4	0.7	2.2	2.4	1.5	1.9	2.4	2.4	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 54,428

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.62	28.87	0.23	1.03	0.01	4.88	4.75	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.93	0.04	0.99	0.04					
CONGESTIVE HEART FAILURE	1.82	1.76	0.06	1.03	0.03					
PNEUMONIA/INFLUENZA	1.57	1.41	0.05	1.12	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.57	0.03	1.37	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.60	0.39	0.03	1.54	0.11					
STROKE	0.93	0.93	0.04	0.99	0.04					
HIP FRACTURE	0.68	0.65	0.03	1.05	0.06					
SEPSIS	0.35	0.36	0.03	0.95	0.07					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.02	1.13	0.09					
CORONARY ARTERY BYPASS GRAFT	0.33	0.40	0.03	0.84	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.84	0.09					
CAROTID ENDARTERECTOMY	0.14	0.13	0.02	1.02	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.48	0.03	0.99	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.02	0.96	0.08					
PROSTATECTOMY	0.59	0.74	0.04	0.78	0.04					
CHOLECYSTECTOMY	0.50	0.48	0.03	1.08	0.07					
HYSTERECTOMY	0.18	0.19	0.02	0.94	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

DES MOINES, IA (2120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,247	8.0	8.4	0.3	12.3	12.8	0.4	16.0	16.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	495	24.2	25.7	2.1	28.5	28.4	3.0	30.7	31.0	2.5
CONGESTIVE HEART FAILURE	526	16.0	15.1	1.9	25.5	23.9	2.6	32.3	30.3	3.1
PNEUMONIA/INFLUENZA	532	14.5	15.2	2.3	20.1	21.0	1.8	25.8	24.9	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	187	9.1	8.4	2.2	14.4	14.6	3.0	19.8	19.4	3.5
TRANSIENT CEREBRAL ISCHEMIA	148	4.1	2.0	2.1	4.7	4.4	2.4	8.1	7.2	2.9
STROKE	421	16.6	19.9	2.4	20.4	25.9	3.1	24.0	29.6	3.3
HIP FRACTURE	370	8.1	7.1	1.8	11.6	12.4	2.0	15.4	16.1	2.0
SEPSIS	139	23.7	26.7	5.6	33.1	35.0	7.6	39.6	40.1	5.7
PROCEDURES:										
ANGIOPLASTY	484	3.7	3.6	0.9	4.8	4.6	1.0	6.0	5.6	1.2
CORONARY ARTERY BYPASS GRAFT	375	4.8	5.5	1.4	6.9	7.6	1.7	8.0	8.5	2.1
INITIAL PACEMAKER INSERTION	129	3.1	2.9	2.1	4.7	5.8	3.1	6.2	8.6	3.6
CAROTID ENDARTERECTOMY	51	2.0	1.7	1.9	2.0	3.1	3.6	7.8	4.5	4.1
HIP REPLACEMENT/RECONSTRUCTION	382	2.4	2.6	0.9	4.5	4.9	1.3	6.0	6.7	1.7
OPEN REDUCTION OF HIP FRACTURE	134	7.5	7.1	2.9	10.4	12.7	3.5	13.4	16.5	4.2
PROSTATECTOMY	377	0.5	1.2	0.8	1.9	2.7	1.3	2.9	4.7	1.8
CHOLECYSTECTOMY	280	2.1	2.4	1.0	4.3	4.4	1.4	6.1	5.8	1.5
HYSTERECTOMY	100	0.0	0.7	0.9	0.0	1.5	1.6	0.0	2.3	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 52,844

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.75	28.70	0.23	1.00	0.01	4.78	4.86	0.10	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.91	0.04	0.84	0.04					
CONGESTIVE HEART FAILURE	1.48	1.77	0.06	0.85	0.03					
PNEUMONIA/INFLUENZA	1.39	1.35	0.05	1.02	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.55	0.03	1.00	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.39	0.03	0.82	0.06					
STROKE	0.88	0.92	0.04	0.94	0.04					
HIP FRACTURE	0.64	0.67	0.04	0.97	0.05					
SEPSIS	0.36	0.37	0.03	1.00	0.07					
PROCEDURES:										
ANGIOPLASTY	0.54	0.28	0.02	1.92	0.16					
CORONARY ARTERY BYPASS GRAFT	0.39	0.38	0.03	1.03	0.07					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.89	0.09					
CAROTID ENDARTERECTOMY	0.08	0.13	0.02	0.58	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.47	0.03	0.96	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.32	0.02	0.68	0.05					
PROSTATECTOMY	0.56	0.70	0.04	0.80	0.04					
CHOLECYSTECTOMY	0.47	0.45	0.03	1.04	0.07					
HYSTERECTOMY	0.16	0.18	0.02	0.87	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

DUBUQUE, IA (2200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,031	8.0	8.1	0.4	12.5	12.1	0.6	15.2	15.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	107	29.0	28.3	5.3	31.8	31.0	5.4	36.4	33.8	5.8
CONGESTIVE HEART FAILURE	239	16.3	14.0	3.9	25.1	22.1	5.0	28.9	28.2	4.5
PNEUMONIA/INFLUENZA	161	15.5	15.7	3.7	26.1	21.8	5.0	28.6	25.9	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	45	15.6	10.1	*	26.7	16.1	*	31.1	21.3	*
TRANSIENT CEREBRAL ISCHEMIA	72	2.8	1.7	1.7	2.8	3.8	2.3	4.2	6.1	3.2
STROKE	158	20.3	21.5	3.7	26.6	27.3	3.6	30.4	30.9	3.9
HIP FRACTURE	122	10.7	7.0	4.0	13.9	12.4	3.5	16.4	16.2	3.6
SEPSIS	29	17.2	24.2	*	27.6	30.3	*	34.5	34.6	*
PROCEDURES:										
ANGIOPLASTY	43	2.3	2.1	*	2.3	2.7	*	2.3	3.4	*
CORONARY ARTERY BYPASS GRAFT	31	9.7	3.0	*	9.7	4.2	*	9.7	4.8	*
INITIAL PACEMAKER INSERTION	28	3.6	3.6	*	3.6	7.2	*	3.6	10.7	*
CAROTID ENDARTERECTOMY	41	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION	132	4.5	2.7	2.1	5.3	5.2	2.0	6.8	7.2	2.3
OPEN REDUCTION OF HIP FRACTURE	73	11.0	6.8	4.9	13.7	12.1	4.2	15.1	15.8	4.3
PROSTATECTOMY	135	0.0	0.9	1.0	0.0	2.1	1.9	0.7	3.7	2.4
CHOLECYSTECTOMY	83	1.2	2.4	2.1	2.4	4.5	2.9	4.8	6.2	2.9
HYSTERECTOMY	26	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,018

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.60	29.91	0.46	0.92	0.01	5.04	4.94	0.19	1.02	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.98	0.08	0.79	0.07					
CONGESTIVE HEART FAILURE	1.95	1.83	0.11	1.05	0.07					
PNEUMONIA/INFLUENZA	1.24	1.52	0.10	0.82	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.60	0.07	0.77	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.42	0.05	1.18	0.16					
STROKE	1.02	0.95	0.08	1.06	0.09					
HIP FRACTURE	0.73	0.72	0.07	1.06	0.11					
SEPSIS	0.26	0.36	0.05	0.68	0.10					
PROCEDURES:										
ANGIOPLASTY	0.29	0.27	0.04	1.06	0.18					
CORONARY ARTERY BYPASS GRAFT	0.29	0.38	0.05	0.81	0.12					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.04	0.68	0.14					
CAROTID ENDARTERECTOMY	0.19	0.13	0.03	1.47	0.37					
HIP REPLACEMENT/RECONSTRUCTION	0.71	0.51	0.06	1.42	0.18					
OPEN REDUCTION OF HIP FRACTURE	0.41	0.33	0.05	1.36	0.21					
PROSTATECTOMY	0.58	0.71	0.07	0.83	0.09					
CHOLECYSTECTOMY	0.52	0.49	0.06	1.06	0.13					
HYSTERECTOMY	0.17	0.19	0.04	1.03	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

IOWA CITY, IA (3500)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,990	6.4	6.7	0.5	10.8	10.6	0.4	13.7	13.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	141	19.9	24.0	6.3	26.2	27.0	6.9	28.4	29.8	6.6
CONGESTIVE HEART FAILURE	191	17.3	14.9	4.1	26.2	24.0	3.8	31.4	30.7	3.4
PNEUMONIA/INFLUENZA	145	19.3	13.2	4.3	24.8	18.3	4.0	27.6	22.1	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	33	12.1	7.4	*	18.2	12.7	*	24.2	17.0	*
TRANSIENT CEREBRAL ISCHEMIA	78	1.3	1.4	2.2	5.1	3.2	2.6	5.1	5.3	2.8
STROKE	191	14.7	19.4	3.7	18.8	25.2	4.6	23.0	28.8	4.3
HIP FRACTURE	140	10.0	6.7	4.4	14.3	11.9	4.6	18.6	15.5	4.8
SEPSIS	49	36.7	24.6	*	44.9	31.9	*	49.0	36.7	*
PROCEDURES:										
ANGIOPLASTY	81	8.6	3.5	2.8	13.6	4.6	4.1	13.6	5.7	3.7
CORONARY ARTERY BYPASS GRAFT	163	6.7	5.5	2.6	9.8	7.9	3.0	10.4	9.0	3.5
INITIAL PACEMAKER INSERTION	24	8.3	4.2	*	12.5	8.5	*	12.5	12.0	*
CAROTID ENDARTERECTOMY	23	0.0	1.6	*	0.0	2.8	*	4.3	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	133	3.8	2.4	2.1	6.0	4.5	3.3	8.3	6.2	4.3
OPEN REDUCTION OF HIP FRACTURE	53	5.7	5.6	4.2	9.4	10.2	5.0	13.2	13.4	4.9
PROSTATECTOMY	111	0.0	1.2	1.4	2.7	2.7	1.6	5.4	4.6	2.1
CHOLECYSTECTOMY	75	2.7	2.0	1.8	4.0	3.9	2.4	5.3	5.2	2.8
HYSTERECTOMY	76	0.0	0.6	1.0	0.0	1.5	1.9	2.6	2.4	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 7,771

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.18	26.63	0.58	0.87	0.02	4.40	4.99	0.25	0.88	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.83	0.10	0.93	0.11					
CONGESTIVE HEART FAILURE	1.13	1.58	0.14	0.72	0.06					
PNEUMONIA/INFLUENZA	1.02	1.32	0.13	0.77	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.47	0.08	0.69	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.32	0.06	1.14	0.23					
STROKE	0.90	0.87	0.11	1.04	0.13					
HIP FRACTURE	0.77	0.70	0.09	1.10	0.15					
SEPSIS	0.30	0.35	0.07	0.84	0.16					
PROCEDURES:										
ANGIOPLASTY	0.18	0.26	0.06	0.71	0.16					
CORONARY ARTERY BYPASS GRAFT	0.33	0.32	0.06	1.06	0.21					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.05	1.10	0.29					
CAROTID ENDARTERECTOMY	0.09	0.10	0.03	0.95	0.35					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.48	0.08	0.84	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.34	0.07	0.80	0.16					
PROSTATECTOMY	0.41	0.65	0.09	0.63	0.09					
CHOLECYSTECTOMY	0.32	0.39	0.07	0.83	0.15					
HYSTERECTOMY	0.23	0.17	0.05	1.34	0.37					

** QUANTITIES COULD NOT BE ESTIMATED

OMAHA, NE-IA (5920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18,753	8.6	8.7	0.4	13.4	13.4	0.6	16.8	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	631	24.6	26.0	1.9	28.7	28.9	2.2	30.1	31.6	2.3
CONGESTIVE HEART FAILURE	773	14.0	14.9	2.0	22.4	23.6	1.9	29.6	29.9	1.9
PNEUMONIA/INFLUENZA	899	15.5	15.3	1.4	22.6	21.0	1.9	26.5	24.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	275	14.2	8.6	3.2	22.5	14.7	3.7	27.6	19.2	3.8
TRANSIENT CEREBRAL ISCHEMIA	206	1.0	1.6	1.1	1.0	3.6	2.2	2.9	6.0	2.7
STROKE	570	17.7	19.5	2.9	22.5	25.7	3.6	27.2	29.6	3.8
HIP FRACTURE	474	5.5	6.3	1.4	9.7	11.1	2.7	12.4	14.5	3.1
SEPSIS	178	21.9	22.3	3.5	31.5	30.7	4.0	34.3	35.6	4.5
PROCEDURES:										
ANGIOPLASTY	351	8.3	3.9	1.7	9.1	4.8	1.8	11.1	5.8	2.1
CORONARY ARTERY BYPASS GRAFT	416	5.8	6.2	1.4	7.9	8.6	1.5	9.4	9.6	1.8
INITIAL PACEMAKER INSERTION	234	1.7	3.5	1.6	3.8	6.6	2.4	5.6	9.2	2.7
CAROTID ENDARTERECTOMY	104	1.9	1.6	1.9	1.9	3.0	2.4	1.9	4.5	3.0
HIP REPLACEMENT/RECONSTRUCTION	454	2.6	3.1	0.9	6.4	5.8	1.3	7.7	7.8	1.3
OPEN REDUCTION OF HIP FRACTURE	204	4.9	5.6	1.7	9.3	10.3	2.3	12.7	13.7	2.5
PROSTATECTOMY	501	0.6	1.1	0.6	1.8	2.5	0.9	3.6	4.3	1.1
CHOLECYSTECTOMY	351	3.4	3.1	1.0	5.4	5.9	1.5	7.7	8.0	1.9
HYSTERECTOMY	183	0.5	1.1	0.8	2.7	2.3	1.8	3.8	3.4	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 75,691

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.06	28.47	0.19	0.98	0.01	4.76	4.80	0.08	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.88	0.03	0.97	0.04					
CONGESTIVE HEART FAILURE	1.55	1.77	0.05	0.87	0.02					
PNEUMONIA/INFLUENZA	1.60	1.31	0.04	1.23	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.54	0.03	0.99	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.38	0.02	0.84	0.05					
STROKE	0.84	0.93	0.03	0.91	0.03					
HIP FRACTURE	0.67	0.64	0.03	1.06	0.05					
SEPSIS	0.34	0.38	0.02	0.88	0.05					
PROCEDURES:										
ANGIOPLASTY	0.36	0.29	0.02	1.25	0.09					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.02	1.09	0.07					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.16	0.10					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.86	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.46	0.02	1.08	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.31	0.02	0.90	0.06					
PROSTATECTOMY	0.67	0.71	0.03	0.93	0.04					
CHOLECYSTECTOMY	0.46	0.44	0.02	1.02	0.06					
HYSTERECTOMY	0.21	0.18	0.01	1.24	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

SIOUX CITY, IA-NE (7720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,810	7.8	8.2	0.5	12.0	12.6	0.7	15.2	15.8	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	190	22.6	24.0	3.3	27.4	26.7	3.6	28.9	29.3	3.6
CONGESTIVE HEART FAILURE	224	10.7	14.5	3.4	20.5	22.9	3.1	29.9	29.4	3.3
PNEUMONIA/INFLUENZA	258	15.1	15.6	2.4	20.9	21.6	3.3	24.0	25.6	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	11.1	7.0	5.6	18.1	12.8	8.2	25.0	17.1	8.6
TRANSIENT CEREBRAL ISCHEMIA	80	5.0	1.9	2.5	6.3	4.3	3.4	13.7	7.0	5.2
STROKE	204	14.7	19.4	3.6	19.1	26.2	4.7	23.5	30.1	4.7
HIP FRACTURE	213	7.0	7.2	2.0	10.3	12.5	3.0	11.7	16.1	3.6
SEPSIS	81	22.2	26.0	6.4	32.1	35.0	8.9	38.3	39.9	8.4
PROCEDURES:										
ANGIOPLASTY	80	0.0	3.1	3.7	2.5	3.8	2.6	2.5	4.6	3.4
CORONARY ARTERY BYPASS GRAFT	86	9.3	5.1	5.1	12.8	7.4	6.5	14.0	8.3	6.8
INITIAL PACEMAKER INSERTION	48	4.2	4.5	*	6.3	8.3	*	12.5	11.3	*
CAROTID ENDARTERECTOMY	16	0.0	1.2	*	0.0	2.4	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	204	2.0	2.9	1.4	3.4	5.2	2.2	4.4	6.8	2.7
OPEN REDUCTION OF HIP FRACTURE	127	7.1	6.2	2.3	11.0	11.3	3.5	12.6	14.9	4.1
PROSTATECTOMY	238	0.4	1.0	0.9	1.7	2.3	1.7	5.9	4.0	1.9
CHOLECYSTECTOMY	107	2.8	2.2	1.5	4.7	4.2	2.0	4.7	5.9	3.3
HYSTERECTOMY	47	2.1	0.6	*	4.3	1.3	*	4.3	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,263

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.74	29.42	0.39	0.98	0.01	4.46	4.89	0.16	0.91	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.95	0.07	0.94	0.07					
CONGESTIVE HEART FAILURE	1.58	1.76	0.10	0.90	0.05					
PNEUMONIA/INFLUENZA	1.62	1.58	0.09	1.01	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.51	0.59	0.06	0.90	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.38	0.04	1.13	0.14					
STROKE	0.98	0.94	0.07	1.03	0.08					
HIP FRACTURE	0.76	0.69	0.06	1.10	0.10					
SEPSIS	0.52	0.35	0.04	1.46	0.19					
PROCEDURES:										
ANGIOPLASTY	0.20	0.27	0.04	0.80	0.12					
CORONARY ARTERY BYPASS GRAFT	0.32	0.37	0.04	0.96	0.13					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.03	0.73	0.14					
CAROTID ENDARTERECTOMY	0.05	0.12	0.03	0.50	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.49	0.05	1.02	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.32	0.04	1.35	0.19					
PROSTATECTOMY	0.88	0.72	0.06	1.21	0.11					
CHOLECYSTECTOMY	0.47	0.48	0.05	0.88	0.10					
HYSTERECTOMY	0.16	0.18	0.03	0.91	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

WATERLOO-CEDAR FALLS, IA (8920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,105	9.2	8.7	0.5	13.6	13.1	0.5	17.0	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	248	27.4	24.6	4.4	31.5	27.8	4.6	33.5	30.7	4.4
CONGESTIVE HEART FAILURE	321	15.9	15.1	3.2	24.6	24.1	2.7	32.7	30.3	3.4
PNEUMONIA/INFLUENZA	304	14.1	13.8	2.0	19.1	19.2	2.6	25.7	22.9	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	111	5.4	7.1	3.3	11.7	12.3	3.3	18.9	16.5	4.5
TRANSIENT CEREBRAL ISCHEMIA	127	2.4	2.0	1.7	4.7	4.5	2.0	7.1	7.1	2.4
STROKE	276	21.0	19.4	4.7	29.3	25.1	5.4	30.8	28.8	4.9
HIP FRACTURE	175	8.0	6.3	2.4	13.1	11.2	3.3	14.9	14.7	2.8
SEPSIS	47	27.7	28.4	*	36.2	36.5	*	40.4	40.8	*
PROCEDURES:										
ANGIOPLASTY	45	2.2	3.1	*	2.2	3.9	*	2.2	4.7	*
CORONARY ARTERY BYPASS GRAFT	72	6.9	5.9	3.0	8.3	8.3	3.4	9.7	9.4	3.8
INITIAL PACEMAKER INSERTION	43	0.0	2.7	*	0.0	5.6	*	2.3	8.3	*
CAROTID ENDARTERECTOMY	11	9.1	3.2	*	9.1	6.1	*	9.1	8.4	*
HIP REPLACEMENT/RECONSTRUCTION	132	5.3	2.6	1.8	9.1	4.7	2.9	10.6	6.4	2.9
OPEN REDUCTION OF HIP FRACTURE	56	5.4	5.9	3.2	7.1	10.9	5.4	8.9	14.5	7.3
PROSTATECTOMY	268	1.1	0.8	0.8	1.5	2.0	0.9	3.0	3.4	1.2
CHOLECYSTECTOMY	127	3.9	2.6	1.8	4.7	5.0	2.1	7.1	6.9	2.3
HYSTERECTOMY	47	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,348

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.36	28.64	0.34	1.03	0.01	4.76	4.74	0.14	1.00	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	0.91	0.06	1.24	0.08					
CONGESTIVE HEART FAILURE	1.91	1.74	0.08	1.09	0.05					
PNEUMONIA/INFLUENZA	1.47	1.40	0.08	1.05	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.57	0.05	1.12	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.55	0.38	0.04	1.44	0.16					
STROKE	1.17	0.93	0.06	1.24	0.08					
HIP FRACTURE	0.60	0.64	0.05	0.92	0.07					
SEPSIS	0.27	0.36	0.04	0.81	0.09					
PROCEDURES:										
ANGIOPLASTY	0.22	0.29	0.03	0.74	0.09					
CORONARY ARTERY BYPASS GRAFT	0.40	0.38	0.04	1.02	0.11					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.03	0.70	0.11					
CAROTID ENDARTERECTOMY	0.05	0.13	0.02	0.50	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.47	0.04	1.01	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.19	0.30	0.04	0.68	0.08					
PROSTATECTOMY	0.99	0.74	0.05	1.35	0.10					
CHOLECYSTECTOMY	0.50	0.46	0.04	1.11	0.11					
HYSTERECTOMY	0.18	0.18	0.03	0.92	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

IA-(NONMSA) (99IA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	41,457	9.5	8.6	0.2	14.0	13.0	0.4	17.1	16.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,457	32.6	27.3	1.3	36.2	30.9	1.8	38.9	34.1	1.7
CONGESTIVE HEART FAILURE	2,257	16.5	14.9	1.0	25.8	23.6	1.4	32.2	29.9	1.4
PNEUMONIA/INFLUENZA	2,928	15.1	14.2	1.0	20.8	19.8	1.0	23.9	23.6	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	725	8.3	6.6	1.4	13.5	11.9	2.1	19.4	16.1	2.6
TRANSIENT CEREBRAL ISCHEMIA	595	2.2	1.7	0.6	3.9	4.0	0.8	5.7	6.7	1.3
STROKE	1,669	20.8	19.0	1.2	26.4	25.4	1.1	30.3	29.4	1.2
HIP FRACTURE	1,281	6.6	6.0	1.0	11.2	10.8	1.1	14.4	14.3	1.1
SEPSIS	571	24.3	24.8	2.2	32.2	32.7	4.4	35.7	37.6	3.8
PROCEDURES:										
ANGIOPLASTY	29	0.0	3.5	*	0.0	4.4	*	0.0	5.3	*
CORONARY ARTERY BYPASS GRAFT	80	2.5	4.8	3.3	5.0	7.0	3.5	7.5	8.0	3.5
INITIAL PACEMAKER INSERTION	137	5.8	3.6	3.2	9.5	6.8	3.9	13.9	9.7	4.2
CAROTID ENDARTERECTOMY	77	2.6	1.7	2.5	3.9	3.1	2.3	5.2	4.5	2.5
HIP REPLACEMENT/RECONSTRUCTION	810	4.7	3.5	1.4	7.7	6.6	1.6	9.6	8.9	1.5
OPEN REDUCTION OF HIP FRACTURE	540	5.0	5.6	1.1	10.0	10.4	1.5	13.3	13.9	1.8
PROSTATECTOMY	1,080	1.3	1.0	0.4	2.4	2.3	0.5	3.6	3.9	0.7
CHOLECYSTECTOMY	973	1.8	2.3	0.5	3.6	4.3	0.9	4.2	5.9	1.0
HYSTERECTOMY	370	0.5	0.6	0.5	0.8	1.4	0.7	1.6	2.2	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 307,103

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.28	29.05	0.10	1.01	0.00	4.70	4.94	0.04	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.11	0.98	0.02	1.14	0.02					
CONGESTIVE HEART FAILURE	1.58	1.72	0.02	0.92	0.01					
PNEUMONIA/INFLUENZA	1.54	1.54	0.02	**	**					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.49	0.54	0.01	0.89	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.37	0.01	0.95	0.03					
STROKE	0.96	0.96	0.02	**	**					
HIP FRACTURE	0.73	0.71	0.01	1.01	0.02					
SEPSIS	0.34	0.35	0.01	0.99	0.03					
PROCEDURES:										
ANGIOPLASTY	0.37	0.27	0.01	1.34	0.05					
CORONARY ARTERY BYPASS GRAFT	0.44	0.38	0.01	1.17	0.04					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.01	0.84	0.04					
CAROTID ENDARTERECTOMY	0.09	0.12	0.01	0.72	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.63	0.53	0.01	1.20	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.33	0.01	0.96	0.03					
PROSTATECTOMY	0.77	0.80	0.02	0.95	0.02					
CHOLECYSTECTOMY	0.53	0.48	0.01	1.09	0.03					
HYSTERECTOMY	0.21	0.19	0.01	1.13	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BOISE CITY, IDAHO (1080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,015	8.3	6.9	0.5	12.3	11.0	0.5	15.5	14.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	151	25.8	23.3	3.6	28.5	26.2	3.9	29.8	28.8	3.9
CONGESTIVE HEART FAILURE	177	16.4	13.1	5.6	25.4	21.0	6.0	34.5	26.9	7.4
PNEUMONIA/INFLUENZA	164	12.8	12.6	6.3	22.0	17.7	6.2	28.0	21.2	7.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	11.1	6.1	4.2	12.5	10.9	4.9	19.4	14.6	6.1
TRANSIENT CEREBRAL ISCHEMIA	43	2.3	1.5	*	2.3	3.3	*	2.3	5.3	*
STROKE	158	22.2	14.7	4.3	25.9	20.5	4.1	29.7	24.0	4.3
HIP FRACTURE	150	4.0	5.2	2.1	8.7	9.5	2.7	10.0	12.8	3.7
SEPSIS	28	25.0	20.4	*	28.6	28.4	*	39.3	33.3	*
PROCEDURES:										
ANGIOPLASTY	121	1.7	2.4	1.6	3.3	3.3	1.7	3.3	4.2	2.0
CORONARY ARTERY BYPASS GRAFT	157	7.0	5.4	2.4	8.9	8.0	2.3	9.6	9.2	2.3
INITIAL PACEMAKER INSERTION	39	0.0	2.2	*	0.0	4.5	*	2.6	6.9	*
CAROTID ENDARTERECTOMY	60	3.3	1.5	3.6	6.7	2.9	4.0	6.7	4.3	3.4
HIP REPLACEMENT/RECONSTRUCTION	186	1.6	1.9	1.4	3.2	3.7	1.7	4.8	5.2	1.6
OPEN REDUCTION OF HIP FRACTURE	75	4.0	4.7	2.6	8.0	8.8	3.7	8.0	12.1	5.2
PROSTATECTOMY	234	1.3	0.7	0.7	2.1	1.6	0.9	3.0	2.7	1.1
CHOLECYSTECTOMY	118	2.5	1.6	1.5	4.2	3.2	2.8	5.9	4.4	3.5
HYSTERECTOMY	65	0.0	0.6	1.0	0.0	1.3	1.7	0.0	2.1	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,264

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.19	26.59	0.33	0.80	0.01	4.24	4.52	0.14	0.94	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.67	0.89	0.06	0.75	0.05					
CONGESTIVE HEART FAILURE	0.89	1.57	0.08	0.57	0.03					
PNEUMONIA/INFLUENZA	0.86	1.24	0.07	0.69	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.51	0.05	0.91	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.35	0.04	0.59	0.07					
STROKE	0.68	0.86	0.06	0.78	0.05					
HIP FRACTURE	0.61	0.61	0.05	**	**					
SEPSIS	0.16	0.34	0.04	0.47	0.05					
PROCEDURES:										
ANGIOPLASTY	0.30	0.30	0.04	0.98	0.12					
CORONARY ARTERY BYPASS GRAFT	0.38	0.40	0.04	0.94	0.10					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.03	0.61	0.09					
CAROTID ENDARTERECTOMY	0.19	0.12	0.02	1.60	0.32					
HIP REPLACEMENT/RECONSTRUCTION	0.62	0.47	0.04	1.31	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.03	1.08	0.13					
PROSTATECTOMY	0.79	0.76	0.06	1.07	0.08					
CHOLECYSTECTOMY	0.45	0.44	0.04	1.01	0.10					
HYSTERECTOMY	0.25	0.18	0.03	1.37	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

ID-(NONMSA) (99ID)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	16,011	8.9	8.0	0.2	13.0	12.3	0.4	16.2	15.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	580	23.6	24.6	2.1	27.4	27.7	2.2	30.3	30.4	2.0
CONGESTIVE HEART FAILURE	711	15.8	13.6	2.2	22.5	21.7	1.9	30.0	27.8	2.2
PNEUMONIA/INFLUENZA	1,000	12.7	13.0	1.5	17.6	18.2	1.6	21.9	21.7	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	306	9.5	7.4	2.4	14.7	13.1	2.3	18.0	17.6	2.2
TRANSIENT CEREBRAL ISCHEMIA	202	2.0	1.7	0.9	3.5	3.8	1.7	7.4	6.3	2.1
STROKE	606	23.3	17.8	2.4	29.9	24.4	2.5	34.7	28.3	3.1
HIP FRACTURE	474	6.8	6.2	1.2	11.8	11.2	1.9	15.4	14.8	2.2
SEPSIS	164	18.9	22.2	4.3	28.0	29.6	5.4	34.8	34.1	5.8
PROCEDURES:										
ANGIOPLASTY	23	4.3	4.0	*	4.3	4.9	*	8.7	5.9	*
CORONARY ARTERY BYPASS GRAFT	38	7.9	6.4	*	7.9	9.1	*	15.8	10.2	*
INITIAL PACEMAKER INSERTION	103	2.9	2.5	1.8	6.8	5.1	2.6	7.8	7.6	2.6
CAROTID ENDARTERECTOMY	35	0.0	1.4	*	0.0	2.5	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	409	1.7	2.6	1.2	3.7	4.8	1.6	5.6	6.6	1.9
OPEN REDUCTION OF HIP FRACTURE	209	6.7	5.9	2.7	12.9	10.9	2.7	15.3	14.6	2.6
PROSTATECTOMY	591	0.5	0.8	0.5	1.5	2.0	0.7	2.7	3.4	1.2
CHOLECYSTECTOMY	406	3.4	2.5	1.3	4.2	4.6	1.2	5.2	6.2	1.6
HYSTERECTOMY	180	0.6	0.6	0.7	0.6	1.3	0.9	0.6	2.0	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 114,209

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.05	27.95	0.16	0.90	0.00	4.19	4.44	0.06	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.96	0.03	1.05	0.03					
CONGESTIVE HEART FAILURE	1.17	1.61	0.04	0.72	0.02					
PNEUMONIA/INFLUENZA	1.30	1.44	0.04	0.90	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.58	0.02	0.82	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.36	0.02	0.74	0.04					
STROKE	0.78	0.90	0.03	0.86	0.03					
HIP FRACTURE	0.57	0.58	0.02	0.96	0.04					
SEPSIS	0.25	0.33	0.02	0.76	0.04					
PROCEDURES:										
ANGIOPLASTY	0.29	0.31	0.02	0.87	0.05					
CORONARY ARTERY BYPASS GRAFT	0.43	0.42	0.02	1.01	0.05					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.85	0.06					
CAROTID ENDARTERECTOMY	0.10	0.14	0.01	0.85	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.58	0.47	0.02	1.19	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.28	0.02	0.91	0.06					
PROSTATECTOMY	0.84	0.86	0.03	0.98	0.03					
CHOLECYSTECTOMY	0.52	0.51	0.02	1.04	0.05					
HYSTERECTOMY	0.22	0.19	0.01	1.30	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

AURORA-ELGIN, IL (0620)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,413	9.2	9.3	0.5	14.4	14.1	0.5	18.0	17.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	218	16.1	22.4	3.6	19.3	25.3	3.7	24.8	27.8	3.8
CONGESTIVE HEART FAILURE	401	17.2	14.4	2.6	25.2	22.5	2.8	32.7	28.7	3.6
PNEUMONIA/INFLUENZA	379	18.2	16.5	2.4	23.7	22.5	2.6	28.2	26.6	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	111	10.8	7.6	4.4	17.1	13.3	5.8	21.6	17.9	6.2
TRANSIENT CEREBRAL ISCHEMIA	105	2.9	2.0	1.5	2.9	4.5	3.6	9.5	7.2	3.1
STROKE	293	18.8	19.7	3.0	27.0	25.9	3.2	31.7	29.7	3.3
HIP FRACTURE	186	4.8	7.2	3.3	10.2	12.6	5.2	13.4	16.5	5.5
SEPSIS	76	23.7	26.0	5.7	36.8	35.5	5.7	44.7	40.9	6.5
PROCEDURES:										
ANGIOPLASTY	56	1.8	2.9	2.6	1.8	4.1	3.3	3.6	5.2	3.4
CORONARY ARTERY BYPASS GRAFT	69	2.9	5.4	3.5	8.7	7.6	3.3	10.1	8.5	3.8
INITIAL PACEMAKER INSERTION	67	6.0	3.0	4.4	14.9	5.8	4.6	16.4	8.2	4.7
CAROTID ENDARTERECTOMY	62	3.2	1.8	2.8	4.8	3.4	2.8	4.8	4.9	2.8
HIP REPLACEMENT/RECONSTRUCTION	150	2.7	2.9	1.4	6.0	5.4	2.0	6.7	7.2	2.2
OPEN REDUCTION OF HIP FRACTURE	93	5.4	6.7	2.7	7.5	12.1	4.5	11.8	16.2	5.7
PROSTATECTOMY	214	1.4	1.2	1.4	2.8	2.8	2.3	5.1	4.6	3.0
CHOLECYSTECTOMY	147	1.4	2.6	2.0	3.4	5.2	2.9	6.1	7.3	3.3
HYSTERECTOMY	80	0.0	0.4	0.7	0.0	0.8	1.2	1.2	1.4	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 38,162

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.13	26.52	0.26	0.99	0.01	4.79	4.66	0.11	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.83	0.05	0.93	0.05					
CONGESTIVE HEART FAILURE	1.57	1.60	0.06	0.98	0.04					
PNEUMONIA/INFLUENZA	1.20	1.17	0.05	1.03	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.46	0.03	0.99	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.34	0.03	0.96	0.09					
STROKE	0.83	0.86	0.05	0.98	0.05					
HIP FRACTURE	0.56	0.63	0.04	0.88	0.06					
SEPSIS	0.32	0.35	0.03	0.89	0.08					
PROCEDURES:										
ANGIOPLASTY	0.22	0.27	0.03	0.77	0.08					
CORONARY ARTERY BYPASS GRAFT	0.30	0.36	0.03	0.82	0.07					
INITIAL PACEMAKER INSERTION	0.20	0.19	0.02	1.07	0.13					
CAROTID ENDARTERECTOMY	0.17	0.11	0.02	1.52	0.27					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.46	0.03	0.92	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.31	0.03	0.89	0.09					
PROSTATECTOMY	0.64	0.69	0.04	0.91	0.06					
CHOLECYSTECTOMY	0.41	0.40	0.03	1.01	0.08					
HYSTERECTOMY	0.22	0.18	0.02	1.15	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

BLOOMINGTON-NORMAL, IL (1040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,989	9.6	9.3	0.6	14.3	14.1	0.7	17.8	17.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	95	30.5	24.9	6.0	36.8	27.9	5.9	38.9	30.7	6.3
CONGESTIVE HEART FAILURE	167	13.2	14.6	3.8	21.6	23.0	3.8	29.3	29.1	4.6
PNEUMONIA/INFLUENZA	118	14.4	13.9	3.2	21.2	19.1	4.3	28.0	22.8	5.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	22	18.2	8.7	*	31.8	15.1	*	31.8	19.9	*
TRANSIENT CEREBRAL ISCHEMIA	41	0.0	1.5	*	0.0	3.7	*	4.9	6.2	*
STROKE	105	23.8	17.6	6.3	24.8	24.1	4.5	26.7	27.8	4.6
HIP FRACTURE	106	7.5	6.5	3.9	11.3	11.7	3.4	15.1	15.3	3.5
SEPSIS	46	26.1	25.3	*	34.8	32.8	*	39.1	38.0	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	22	4.5	4.2	*	4.5	5.5	*	4.5	6.1	*
INITIAL PACEMAKER INSERTION	18	5.6	3.3	*	11.1	5.8	*	16.7	8.0	*
CAROTID ENDARTERECTOMY	17	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	78	1.3	2.7	2.5	2.6	5.0	3.8	3.8	6.8	4.4
OPEN REDUCTION OF HIP FRACTURE	52	7.7	6.1	4.6	11.5	11.3	4.5	17.3	15.0	5.3
PROSTATECTOMY	53	1.9	1.1	1.8	3.8	2.5	3.0	3.8	4.1	3.3
CHOLECYSTECTOMY	66	4.5	3.0	2.6	6.1	5.3	2.8	6.1	7.0	3.4
HYSTERECTOMY	20	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,287

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.21	27.78	0.43	1.02	0.02	4.98	4.83	0.18	1.03	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.81	0.89	0.08	0.93	0.08					
CONGESTIVE HEART FAILURE	1.99	1.67	0.11	1.20	0.08					
PNEUMONIA/INFLUENZA	1.16	1.32	0.09	0.85	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.48	0.06	0.75	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.36	0.05	0.94	0.14					
STROKE	0.78	0.91	0.08	0.86	0.08					
HIP FRACTURE	0.75	0.68	0.07	1.09	0.11					
SEPSIS	0.42	0.35	0.05	1.14	0.17					
PROCEDURES:										
ANGIOPLASTY	0.23	0.25	0.04	1.00	0.18					
CORONARY ARTERY BYPASS GRAFT	0.49	0.36	0.05	1.43	0.21					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.04	1.06	0.22					
CAROTID ENDARTERECTOMY	0.10	0.10	0.03	0.99	0.31					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.48	0.06	0.84	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.32	0.05	1.23	0.19					
PROSTATECTOMY	0.42	0.70	0.07	0.59	0.06					
CHOLECYSTECTOMY	0.46	0.43	0.05	1.10	0.15					
HYSTERECTOMY	0.18	0.18	0.03	0.96	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

CHAMPAIGN-URBANA-RANTOUL, IL (1400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,799	8.8	8.2	0.6	13.5	12.5	0.8	16.8	15.7	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	132	26.5	27.3	4.4	27.3	29.8	4.7	30.3	32.6	5.3
CONGESTIVE HEART FAILURE	188	17.6	14.3	5.6	26.6	22.4	5.9	32.4	28.4	5.5
PNEUMONIA/INFLUENZA	148	12.8	13.1	2.9	16.9	18.4	4.2	19.6	22.2	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	64	10.9	8.6	4.5	14.1	14.6	4.5	15.6	19.1	5.8
TRANSIENT CEREBRAL ISCHEMIA	72	1.4	1.9	1.8	2.8	4.3	2.8	4.2	6.9	4.0
STROKE	140	18.6	18.6	3.8	23.6	24.8	4.3	26.4	28.8	5.2
HIP FRACTURE	142	9.9	6.5	3.5	14.8	11.6	4.3	18.3	15.1	5.2
SEPSIS	28	21.4	31.0	*	35.7	39.1	*	42.9	43.9	*
PROCEDURES:										
ANGIOPLASTY	73	2.7	3.2	2.1	4.1	4.0	2.3	6.8	4.8	3.2
CORONARY ARTERY BYPASS GRAFT	114	7.9	5.6	2.6	13.2	7.9	4.2	14.0	8.9	4.4
INITIAL PACEMAKER INSERTION	43	4.7	3.5	*	4.7	6.6	*	9.3	9.6	*
CAROTID ENDARTERECTOMY	81	0.0	1.2	1.7	0.0	2.3	2.8	2.5	3.6	2.3
HIP REPLACEMENT/RECONSTRUCTION	119	4.2	2.8	2.0	5.0	5.2	2.0	6.7	7.0	2.4
OPEN REDUCTION OF HIP FRACTURE	60	10.0	6.1	5.0	13.3	11.1	5.1	18.3	14.8	7.1
PROSTATECTOMY	143	0.7	0.8	0.8	1.4	1.9	1.3	2.8	3.3	1.6
CHOLECYSTECTOMY	95	1.1	3.7	3.2	5.3	6.7	5.0	7.4	8.9	5.6
HYSTERECTOMY	49	0.0	1.2	*	0.0	2.3	*	0.0	3.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,910

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.53	28.23	0.41	0.83	0.01	4.79	4.89	0.17	0.98	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.61	0.86	0.07	0.70	0.06					
CONGESTIVE HEART FAILURE	1.42	1.75	0.10	0.80	0.05					
PNEUMONIA/INFLUENZA	0.99	1.29	0.09	0.73	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.50	0.06	0.88	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.37	0.05	1.08	0.15					
STROKE	0.72	0.93	0.07	0.79	0.06					
HIP FRACTURE	0.66	0.65	0.06	1.00	0.10					
SEPSIS	0.25	0.38	0.05	0.54	0.07					
PROCEDURES:										
ANGIOPLASTY	0.26	0.27	0.04	0.96	0.15					
CORONARY ARTERY BYPASS GRAFT	0.34	0.37	0.05	0.92	0.13					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.03	0.98	0.19					
CAROTID ENDARTERECTOMY	0.23	0.12	0.03	1.92	0.51					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.47	0.05	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.32	0.04	0.80	0.12					
PROSTATECTOMY	0.53	0.72	0.07	0.74	0.07					
CHOLECYSTECTOMY	0.37	0.43	0.05	0.92	0.12					
HYSTERECTOMY	0.17	0.18	0.03	0.97	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

CHICAGO, IL (1600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	139,396	8.9	9.5	0.3	14.5	14.4	0.1	18.3	18.0	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,992	25.6	27.2	0.8	30.7	30.4	1.1	33.7	33.2	1.2
CONGESTIVE HEART FAILURE	7,940	12.4	13.9	0.5	21.0	22.0	0.5	28.0	28.1	0.6
PNEUMONIA/INFLUENZA	6,010	16.4	16.7	0.6	23.7	22.7	0.6	27.8	26.6	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,574	9.3	9.4	1.0	15.2	15.8	1.3	19.8	20.5	1.4
TRANSIENT CEREBRAL ISCHEMIA	2,383	1.3	1.8	0.4	3.2	4.1	0.6	5.8	6.6	0.6
STROKE	5,503	17.1	20.0	0.8	24.6	26.3	0.7	29.2	30.0	0.6
HIP FRACTURE	2,875	6.3	6.8	0.5	12.1	11.8	0.7	16.1	15.2	0.7
SEPSIS	2,158	26.6	26.3	1.4	38.4	34.8	1.2	44.5	39.7	1.3
PROCEDURES:										
ANGIOPLASTY	1,291	3.0	3.4	0.6	4.3	4.4	0.6	5.7	5.4	0.7
CORONARY ARTERY BYPASS GRAFT	1,934	5.5	6.0	0.8	8.4	8.5	0.7	10.0	9.6	0.8
INITIAL PACEMAKER INSERTION	1,047	3.2	3.7	0.7	7.2	7.1	0.8	11.1	10.1	1.1
CAROTID ENDARTERECTOMY	457	1.3	1.4	0.7	2.2	2.5	1.2	3.3	3.8	1.3
HIP REPLACEMENT/RECONSTRUCTION	2,208	2.7	3.2	0.6	5.9	5.9	0.6	8.1	7.9	0.6
OPEN REDUCTION OF HIP FRACTURE	1,393	5.5	6.1	0.8	10.8	11.0	0.9	14.9	14.5	1.0
PROSTATECTOMY	4,182	1.1	1.2	0.2	2.8	2.7	0.3	4.6	4.5	0.4
CHOLECYSTECTOMY	2,155	3.1	3.3	0.4	6.3	6.0	0.6	7.8	7.9	0.8
HYSTERECTOMY	958	1.1	0.9	0.8	2.2	1.9	1.4	2.8	3.0	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 801,555

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.37	26.93	0.06	1.02	0.00	4.92	4.75	0.02	1.04	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.77	0.01	0.98	0.01					
CONGESTIVE HEART FAILURE	1.87	1.70	0.01	1.10	0.01					
PNEUMONIA/INFLUENZA	1.17	1.06	0.01	1.10	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.43	0.01	0.83	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.35	0.01	1.17	0.02					
STROKE	0.98	0.93	0.01	1.05	0.01					
HIP FRACTURE	0.50	0.57	0.01	0.87	0.01					
SEPSIS	0.48	0.42	0.01	1.14	0.02					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	1.00	0.02					
CORONARY ARTERY BYPASS GRAFT	0.36	0.36	0.01	1.01	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.00	0.90	0.02					
CAROTID ENDARTERECTOMY	0.08	0.10	0.00	0.77	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.40	0.01	0.90	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.30	0.01	0.78	0.02					
PROSTATECTOMY	0.67	0.70	0.01	0.97	0.01					
CHOLECYSTECTOMY	0.35	0.36	0.01	0.96	0.02					
HYSTERECTOMY	0.14	0.16	0.00	0.87	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

DAVENPORT-ROCK ISLAND-MOLINE, IA-IL (1960)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	10,831	9.6	8.3	0.3	14.4	12.8	0.5	17.6	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	330	30.0	25.5	3.3	33.9	28.3	3.5	36.1	31.0	3.6
CONGESTIVE HEART FAILURE	563	15.5	14.2	2.8	24.3	22.6	3.3	30.2	28.8	3.0
PNEUMONIA/INFLUENZA	581	18.4	15.1	2.1	24.1	20.8	2.1	28.9	24.7	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	240	12.1	8.0	3.5	17.9	14.1	3.9	20.4	18.9	3.7
TRANSIENT CEREBRAL ISCHEMIA	237	3.0	1.5	1.2	4.6	3.3	2.0	5.5	5.5	3.8
STROKE	379	19.3	19.2	2.3	25.6	25.1	2.4	28.5	28.7	2.4
HIP FRACTURE	295	6.1	5.4	1.5	9.2	9.6	1.9	11.9	12.7	2.1
SEPSIS	123	22.0	24.2	4.6	33.3	32.5	4.3	40.7	37.3	5.2
PROCEDURES:										
ANGIOPLASTY	137	5.8	3.4	3.1	8.0	4.5	2.9	8.8	5.5	3.1
CORONARY ARTERY BYPASS GRAFT	117	2.6	5.6	3.7	5.1	8.1	4.3	6.8	9.1	4.7
INITIAL PACEMAKER INSERTION	70	2.9	3.7	2.5	7.1	7.2	3.1	14.3	10.2	4.7
CAROTID ENDARTERECTOMY	54	5.6	1.7	3.1	7.4	3.3	3.6	7.4	4.8	4.2
HIP REPLACEMENT/RECONSTRUCTION	221	1.8	2.7	1.2	3.2	5.0	1.8	5.0	6.8	2.4
OPEN REDUCTION OF HIP FRACTURE	138	5.8	5.0	3.2	11.6	9.1	4.7	13.8	12.1	4.9
PROSTATECTOMY	297	1.3	1.0	0.8	2.0	2.2	1.6	4.4	3.8	2.1
CHOLECYSTECTOMY	231	3.9	2.3	2.0	6.5	4.2	2.1	8.2	5.7	2.4
HYSTERECTOMY	83	2.4	0.7	2.2	2.4	1.5	1.9	2.4	2.4	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 54,428

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	29.62	28.87	0.23	1.03	0.01	4.88	4.75	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.93	0.04	0.99	0.04					
CONGESTIVE HEART FAILURE	1.82	1.76	0.06	1.03	0.03					
PNEUMONIA/INFLUENZA	1.57	1.41	0.05	1.12	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.57	0.03	1.37	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.60	0.39	0.03	1.54	0.11					
STROKE	0.93	0.93	0.04	0.99	0.04					
HIP FRACTURE	0.68	0.65	0.03	1.05	0.06					
SEPSIS	0.35	0.36	0.03	0.95	0.07					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.02	1.13	0.09					
CORONARY ARTERY BYPASS GRAFT	0.33	0.40	0.03	0.84	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.84	0.09					
CAROTID ENDARTERECTOMY	0.14	0.13	0.02	1.02	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.48	0.03	0.99	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.02	0.96	0.08					
PROSTATECTOMY	0.59	0.74	0.04	0.78	0.04					
CHOLECYSTECTOMY	0.50	0.48	0.03	1.08	0.07					
HYSTERECTOMY	0.18	0.19	0.02	0.94	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

DECATUR, IL (2040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,882	9.6	9.1	0.5	14.4	14.1	0.5	17.7	17.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	134	35.1	25.7	4.7	41.8	28.4	6.4	44.8	30.9	6.2
CONGESTIVE HEART FAILURE	300	16.7	14.3	2.4	23.3	22.4	2.5	31.0	28.5	2.9
PNEUMONIA/INFLUENZA	219	16.4	16.1	2.5	19.6	22.0	3.0	23.7	26.0	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	93	7.5	6.1	2.9	9.7	10.8	4.1	15.1	14.7	4.0
TRANSIENT CEREBRAL ISCHEMIA	96	1.0	1.5	1.7	2.1	3.5	3.1	3.1	5.8	4.4
STROKE	165	18.2	20.7	4.3	23.6	27.3	5.5	26.7	31.1	6.3
HIP FRACTURE	142	6.3	7.4	2.4	12.7	13.0	2.9	16.2	16.9	3.4
SEPSIS	42	42.9	23.9	*	45.2	31.4	*	52.4	36.1	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	31	0.0	3.9	*	12.9	7.5	*	16.1	10.9	*
CAROTID ENDARTERECTOMY	14	0.0	1.7	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	85	0.0	3.2	2.8	7.1	5.7	3.0	9.4	7.7	3.2
OPEN REDUCTION OF HIP FRACTURE	77	7.8	7.0	3.2	13.0	12.7	3.8	15.6	16.9	4.4
PROSTATECTOMY	155	0.6	1.0	1.3	2.6	2.4	1.3	3.9	4.1	1.6
CHOLECYSTECTOMY	90	6.7	2.8	2.8	8.9	5.1	3.2	8.9	6.6	3.1
HYSTERECTOMY	45	2.2	0.9	*	2.2	2.1	*	2.2	3.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,563

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.56	29.34	0.39	1.04	0.01	4.84	4.90	0.16	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.91	0.07	1.02	0.08					
CONGESTIVE HEART FAILURE	2.11	1.84	0.10	1.15	0.06					
PNEUMONIA/INFLUENZA	1.30	1.39	0.08	0.92	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.56	0.05	1.05	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.52	0.40	0.04	1.31	0.15					
STROKE	0.92	0.96	0.07	0.95	0.07					
HIP FRACTURE	0.70	0.66	0.06	1.05	0.09					
SEPSIS	0.26	0.39	0.04	0.68	0.08					
PROCEDURES:										
ANGIOPLASTY	0.15	0.29	0.04	0.54	0.07					
CORONARY ARTERY BYPASS GRAFT	0.30	0.38	0.04	0.77	0.09					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.03	1.15	0.19					
CAROTID ENDARTERECTOMY	0.11	0.13	0.03	0.82	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.46	0.05	0.89	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.32	0.04	1.08	0.14					
PROSTATECTOMY	0.70	0.71	0.06	0.97	0.08					
CHOLECYSTECTOMY	0.42	0.46	0.05	0.91	0.10					
HYSTERECTOMY	0.25	0.18	0.03	1.44	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

JOLIET, IL (3690)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,282	9.4	8.9	0.6	14.7	13.6	0.7	18.3	17.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	153	33.3	27.9	6.0	38.6	31.1	6.1	43.1	33.9	6.7
CONGESTIVE HEART FAILURE	407	13.5	13.3	1.7	20.6	21.1	2.1	26.0	27.0	2.4
PNEUMONIA/INFLUENZA	433	14.8	16.7	2.5	22.2	23.0	2.3	27.9	27.1	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	9.8	6.7	4.2	15.7	12.4	4.9	20.6	16.9	5.6
TRANSIENT CEREBRAL ISCHEMIA	161	1.9	2.1	1.3	5.0	4.5	2.4	7.5	7.1	2.4
STROKE	244	17.2	20.3	3.5	20.9	26.5	4.3	24.2	30.2	4.7
HIP FRACTURE	156	6.4	6.8	2.7	12.2	12.1	3.3	17.9	15.7	3.5
SEPSIS	100	19.0	22.3	5.3	31.0	28.7	4.9	38.0	33.0	6.3
PROCEDURES:										
ANGIOPLASTY	7	0.0	5.1	*	0.0	6.3	*	0.0	7.7	*
CORONARY ARTERY BYPASS GRAFT	19	10.5	6.3	*	21.1	8.4	*	21.1	9.4	*
INITIAL PACEMAKER INSERTION	62	1.6	2.8	2.2	4.8	5.5	3.0	9.7	8.0	3.7
CAROTID ENDARTERECTOMY	57	3.5	1.5	2.5	5.3	2.8	4.2	5.3	4.2	6.0
HIP REPLACEMENT/RECONSTRUCTION	89	2.2	4.6	3.0	5.6	8.4	3.7	9.0	11.2	3.8
OPEN REDUCTION OF HIP FRACTURE	46	8.7	6.3	*	19.6	11.8	*	21.7	15.5	*
PROSTATECTOMY	165	1.2	1.1	1.1	4.8	2.6	2.3	7.3	4.4	3.2
CHOLECYSTECTOMY	112	5.4	2.4	2.3	7.1	4.5	2.5	7.1	6.1	2.4
HYSTERECTOMY	39	0.0	0.5	*	2.6	1.2	*	2.6	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,977

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.72	27.48	0.27	1.12	0.01	4.82	4.58	0.11	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.87	0.05	0.88	0.05					
CONGESTIVE HEART FAILURE	2.09	1.68	0.07	1.24	0.05					
PNEUMONIA/INFLUENZA	1.71	1.22	0.06	1.40	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.52	0.04	0.94	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.65	0.37	0.03	1.76	0.16					
STROKE	0.99	0.89	0.05	1.10	0.06					
HIP FRACTURE	0.58	0.60	0.04	0.95	0.06					
SEPSIS	0.48	0.36	0.03	1.33	0.12					
PROCEDURES:										
ANGIOPLASTY	0.26	0.29	0.03	0.90	0.09					
CORONARY ARTERY BYPASS GRAFT	0.59	0.40	0.03	1.48	0.13					
INITIAL PACEMAKER INSERTION	0.29	0.20	0.02	1.38	0.17					
CAROTID ENDARTERECTOMY	0.25	0.12	0.02	1.92	0.32					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.45	0.03	0.91	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.18	0.29	0.03	0.64	0.06					
PROSTATECTOMY	0.65	0.73	0.04	0.90	0.05					
CHOLECYSTECTOMY	0.44	0.44	0.03	1.02	0.08					
HYSTERECTOMY	0.18	0.18	0.02	0.99	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

KANKAKEE, IL (3740)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,452	9.2	8.3	0.7	14.5	13.0	0.8	18.1	16.6	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	86	30.2	23.0	7.0	34.9	26.9	6.5	36.0	29.9	6.0
CONGESTIVE HEART FAILURE	196	16.3	14.6	3.9	24.5	23.4	3.7	31.1	29.9	3.7
PNEUMONIA/INFLUENZA	166	16.3	14.2	6.1	23.5	19.9	6.0	28.3	23.9	5.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	94	5.3	5.4	2.3	11.7	10.2	4.0	16.0	14.3	6.9
TRANSIENT CEREBRAL ISCHEMIA	56	1.8	1.6	1.8	1.8	3.6	2.9	1.8	6.0	4.8
STROKE	134	18.7	16.7	3.3	21.6	22.5	4.0	29.9	26.2	4.0
HIP FRACTURE	96	10.4	7.1	3.4	12.5	12.3	3.4	15.6	15.9	3.9
SEPSIS	55	18.2	20.3	8.5	36.4	28.6	10.0	40.0	33.5	11.6
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	18	0.0	3.5	*	0.0	6.8	*	0.0	9.9	*
CAROTID ENDARTERECTOMY	18	11.1	1.9	*	11.1	3.3	*	11.1	4.8	*
HIP REPLACEMENT/RECONSTRUCTION	78	3.8	2.6	2.6	5.1	4.8	3.0	5.1	6.5	3.8
OPEN REDUCTION OF HIP FRACTURE	39	7.7	6.6	*	10.3	11.4	*	17.9	14.9	*
PROSTATECTOMY	56	0.0	1.0	1.5	0.0	2.2	2.4	0.0	3.6	3.4
CHOLECYSTECTOMY	45	4.4	2.7	*	4.4	5.1	*	6.7	6.9	*
HYSTERECTOMY	22	4.5	0.5	*	4.5	1.2	*	4.5	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,704

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.85	30.08	0.44	1.13	0.02	4.91	4.90	0.18	1.00	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.87	0.07	1.16	0.10					
CONGESTIVE HEART FAILURE	2.33	1.88	0.11	1.23	0.07					
PNEUMONIA/INFLUENZA	1.52	1.51	0.10	1.01	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.01	0.65	0.06	1.57	0.16					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.39	0.05	1.14	0.15					
STROKE	1.11	0.96	0.08	1.19	0.10					
HIP FRACTURE	0.61	0.59	0.06	1.04	0.11					
SEPSIS	0.45	0.40	0.05	1.09	0.14					
PROCEDURES:										
ANGIOPLASTY	0.22	0.30	0.04	0.72	0.11					
CORONARY ARTERY BYPASS GRAFT	0.43	0.37	0.05	1.13	0.15					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.03	1.14	0.23					
CAROTID ENDARTERECTOMY	0.17	0.13	0.03	1.24	0.30					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.41	0.05	1.16	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.29	0.04	0.85	0.13					
PROSTATECTOMY	0.40	0.69	0.07	0.56	0.05					
CHOLECYSTECTOMY	0.40	0.46	0.05	0.86	0.10					
HYSTERECTOMY	0.13	0.17	0.03	0.73	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

LAKE COUNTY, IL (3965)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,610	9.2	9.7	0.6	14.5	14.6	0.5	18.4	18.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	235	29.4	28.4	3.1	31.5	31.2	3.1	35.7	33.9	3.7
CONGESTIVE HEART FAILURE	489	14.7	14.8	2.3	22.3	23.2	2.1	29.4	29.4	2.4
PNEUMONIA/INFLUENZA	534	17.2	16.2	2.3	23.8	22.1	2.7	27.5	26.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	130	5.4	8.0	3.6	11.5	14.1	3.8	18.5	18.8	3.5
TRANSIENT CEREBRAL ISCHEMIA	165	1.2	1.8	1.2	2.4	4.0	2.3	3.0	6.5	3.7
STROKE	388	20.6	21.5	3.1	27.1	27.8	2.7	30.2	31.6	2.8
HIP FRACTURE	246	5.7	7.1	2.2	12.6	12.3	2.4	15.9	15.9	2.4
SEPSIS	111	27.0	27.6	4.3	35.1	35.9	4.7	42.3	40.9	5.2
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	60	3.3	3.6	2.4	6.7	7.0	3.6	13.3	10.0	5.1
CAROTID ENDARTERECTOMY	17	0.0	1.4	*	0.0	2.5	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	160	3.7	3.4	2.6	6.9	6.4	3.0	8.7	8.6	2.3
OPEN REDUCTION OF HIP FRACTURE	82	6.1	7.0	3.0	12.2	12.4	4.3	13.4	15.9	5.0
PROSTATECTOMY	213	0.0	1.0	1.0	0.5	2.2	1.6	1.4	3.8	2.1
CHOLECYSTECTOMY	125	1.6	2.6	2.1	4.0	4.6	2.5	5.6	5.9	2.5
HYSTERECTOMY	58	0.0	0.9	1.4	3.4	1.7	2.2	6.9	2.5	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 49,843

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.40	24.85	0.22	1.10	0.01	4.54	4.44	0.09	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.76	0.04	0.91	0.05					
CONGESTIVE HEART FAILURE	1.65	1.48	0.05	1.13	0.04					
PNEUMONIA/INFLUENZA	1.38	1.00	0.04	1.38	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.41	0.03	1.05	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.32	0.02	1.45	0.11					
STROKE	1.02	0.81	0.04	1.26	0.06					
HIP FRACTURE	0.57	0.57	0.03	**	**					
SEPSIS	0.35	0.35	0.03	**	**					
PROCEDURES:										
ANGIOPLASTY	0.30	0.28	0.02	1.08	0.09					
CORONARY ARTERY BYPASS GRAFT	0.31	0.36	0.03	0.87	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.02	0.91	0.09					
CAROTID ENDARTERECTOMY	0.10	0.10	0.01	1.03	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.41	0.03	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.02	0.76	0.06					
PROSTATECTOMY	0.59	0.69	0.04	0.86	0.05					
CHOLECYSTECTOMY	0.35	0.35	0.03	1.01	0.08					
HYSTERECTOMY	0.14	0.16	0.02	0.86	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

PEORIA, IL (6120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	11,189	8.8	8.7	0.3	13.6	13.4	0.3	17.0	16.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	317	18.6	27.3	3.5	24.9	30.4	2.9	29.0	33.2	3.0
CONGESTIVE HEART FAILURE	529	16.3	14.3	2.2	23.6	22.6	1.9	30.2	28.8	2.2
PNEUMONIA/INFLUENZA	400	14.5	14.8	2.2	21.0	20.3	2.6	25.2	24.2	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	162	8.0	7.3	2.2	14.2	13.0	3.0	17.3	17.5	3.4
TRANSIENT CEREBRAL ISCHEMIA	147	1.4	1.7	1.1	3.4	3.8	1.7	6.1	6.1	2.9
STROKE	391	18.7	19.1	2.0	23.8	25.5	2.6	26.3	29.4	3.1
HIP FRACTURE	280	6.1	6.6	3.2	10.7	11.7	3.0	15.7	15.3	2.8
SEPSIS	125	20.0	22.4	3.8	28.0	30.0	5.7	33.6	34.8	5.8
PROCEDURES:										
ANGIOPLASTY	203	4.4	3.5	1.8	5.9	4.4	2.1	6.4	5.3	1.9
CORONARY ARTERY BYPASS GRAFT	233	6.0	6.8	2.2	9.9	9.6	2.2	10.7	10.8	2.1
INITIAL PACEMAKER INSERTION	85	0.0	2.2	2.6	1.2	4.4	3.7	2.4	6.7	4.6
CAROTID ENDARTERECTOMY	54	0.0	1.5	2.1	0.0	2.7	3.1	0.0	3.9	4.1
HIP REPLACEMENT/RECONSTRUCTION	192	1.0	2.5	1.5	3.1	4.7	1.9	7.3	6.5	2.1
OPEN REDUCTION OF HIP FRACTURE	110	4.5	6.2	3.1	7.3	11.3	3.7	12.7	15.0	3.7
PROSTATECTOMY	283	0.7	0.9	0.6	1.8	2.2	1.0	3.2	3.7	1.4
CHOLECYSTECTOMY	216	2.8	2.7	1.8	4.6	4.8	2.0	6.0	6.2	1.9
HYSTERECTOMY	100	1.0	0.9	1.3	1.0	2.1	1.8	3.0	3.2	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 52,535

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.58	28.92	0.23	0.92	0.01	4.60	4.78	0.09	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.92	0.04	0.77	0.04					
CONGESTIVE HEART FAILURE	1.56	1.78	0.06	0.87	0.03					
PNEUMONIA/INFLUENZA	1.10	1.39	0.05	0.78	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.51	0.57	0.03	0.93	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.40	0.03	0.82	0.06					
STROKE	0.83	0.94	0.04	0.89	0.04					
HIP FRACTURE	0.67	0.65	0.03	1.05	0.06					
SEPSIS	0.34	0.37	0.03	0.92	0.07					
PROCEDURES:										
ANGIOPLASTY	0.39	0.29	0.02	1.31	0.11					
CORONARY ARTERY BYPASS GRAFT	0.41	0.39	0.03	1.02	0.07					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.86	0.09					
CAROTID ENDARTERECTOMY	0.12	0.13	0.02	0.94	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.48	0.03	0.91	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.31	0.02	0.79	0.06					
PROSTATECTOMY	0.62	0.74	0.04	0.81	0.04					
CHOLECYSTECTOMY	0.42	0.46	0.03	0.90	0.06					
HYSTERECTOMY	0.19	0.18	0.02	0.96	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

ROCKFORD, IL (6880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,337	9.5	9.6	0.4	14.2	14.3	0.4	18.0	17.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	307	27.0	27.3	2.6	31.3	30.1	3.0	33.2	32.6	2.7
CONGESTIVE HEART FAILURE	459	15.3	14.4	2.1	22.2	22.7	2.0	28.5	28.9	2.4
PNEUMONIA/INFLUENZA	349	10.6	14.8	2.8	14.6	20.3	3.4	17.8	23.9	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	76	7.9	7.0	4.3	9.2	12.3	5.8	14.5	16.5	7.4
TRANSIENT CEREBRAL ISCHEMIA	108	0.9	1.7	1.4	2.8	3.8	2.2	3.7	6.1	3.2
STROKE	299	23.4	23.8	2.7	29.1	29.9	2.8	32.8	33.6	2.9
HIP FRACTURE	228	6.1	7.3	2.0	11.4	12.9	3.6	14.5	16.6	4.7
SEPSIS	112	24.1	24.4	4.3	32.1	32.9	5.1	40.2	37.7	5.3
PROCEDURES:										
ANGIOPLASTY	215	6.0	4.0	1.7	8.8	4.9	2.3	9.8	5.9	2.5
CORONARY ARTERY BYPASS GRAFT	172	8.1	6.3	2.4	10.5	9.1	2.5	10.5	10.2	2.3
INITIAL PACEMAKER INSERTION	68	2.9	2.9	2.9	5.9	5.4	4.7	7.4	7.7	5.5
CAROTID ENDARTERECTOMY	47	0.0	1.7	*	0.0	3.1	*	0.0	4.5	*
HIP REPLACEMENT/RECONSTRUCTION	237	2.5	3.1	1.3	5.1	5.6	1.9	8.0	7.5	2.8
OPEN REDUCTION OF HIP FRACTURE	77	6.5	7.0	3.0	11.7	12.5	4.2	11.7	16.4	6.2
PROSTATECTOMY	280	1.1	0.9	0.6	2.5	2.2	0.9	3.9	3.8	1.2
CHOLECYSTECTOMY	171	1.2	2.5	1.7	5.3	4.7	1.8	6.4	6.1	1.9
HYSTERECTOMY	87	2.3	0.8	1.8	4.6	1.8	3.5	4.6	2.8	3.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 40,601

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.90	27.86	0.26	0.89	0.01	4.63	4.66	0.11	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.87	0.05	0.89	0.05					
CONGESTIVE HEART FAILURE	1.57	1.71	0.06	0.91	0.03					
PNEUMONIA/INFLUENZA	1.09	1.29	0.06	0.83	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.54	0.04	0.60	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.37	0.03	0.87	0.07					
STROKE	0.85	0.90	0.05	0.94	0.05					
HIP FRACTURE	0.61	0.61	0.04	0.99	0.06					
SEPSIS	0.33	0.37	0.03	0.90	0.07					
PROCEDURES:										
ANGIOPLASTY	0.43	0.29	0.03	1.50	0.14					
CORONARY ARTERY BYPASS GRAFT	0.38	0.39	0.03	0.94	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.79	0.09					
CAROTID ENDARTERECTOMY	0.12	0.13	0.02	0.97	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.58	0.45	0.03	1.27	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.19	0.30	0.03	0.65	0.06					
PROSTATECTOMY	0.67	0.73	0.04	0.90	0.05					
CHOLECYSTECTOMY	0.46	0.44	0.03	1.00	0.08					
HYSTERECTOMY	0.19	0.18	0.02	1.08	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

ST.LOUIS, MO-IL (7040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	78,469	8.8	9.3	0.2	13.5	14.1	0.1	17.0	17.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,472	25.3	26.6	1.4	30.3	29.8	1.7	32.4	32.5	1.4
CONGESTIVE HEART FAILURE	4,226	13.6	14.8	0.8	22.0	23.3	1.1	28.3	29.5	1.2
PNEUMONIA/INFLUENZA	3,960	15.0	16.0	1.0	21.5	22.0	0.8	25.8	25.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,265	6.8	7.9	1.1	13.2	13.7	1.3	17.3	18.1	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,105	2.3	1.8	0.6	4.4	4.0	0.7	6.2	6.5	1.2
STROKE	2,831	17.3	20.5	0.9	22.6	26.8	0.9	26.9	30.5	1.1
HIP FRACTURE	2,022	6.2	6.6	1.1	11.1	11.8	1.4	13.5	15.3	1.5
SEPSIS	1,110	24.3	24.1	1.4	32.5	32.1	1.5	37.6	36.8	2.0
PROCEDURES:										
ANGIOPLASTY	871	4.4	3.1	1.1	5.6	4.1	1.4	6.2	5.0	1.2
CORONARY ARTERY BYPASS GRAFT	1,354	6.1	6.4	0.8	8.7	8.9	0.9	10.3	10.0	1.0
INITIAL PACEMAKER INSERTION	661	1.8	3.5	1.1	5.4	6.7	1.2	8.6	9.6	1.3
CAROTID ENDARTERECTOMY	354	2.3	1.5	0.9	4.0	2.8	1.5	4.8	4.2	1.9
HIP REPLACEMENT/RECONSTRUCTION	1,470	3.3	3.5	0.8	6.1	6.5	1.0	7.8	8.7	1.2
OPEN REDUCTION OF HIP FRACTURE	951	5.8	5.9	1.0	10.6	10.9	1.2	13.5	14.5	1.5
PROSTATECTOMY	2,246	0.8	1.0	0.3	2.0	2.3	0.4	3.8	3.9	0.5
CHOLECYSTECTOMY	1,343	3.7	2.9	0.8	5.7	5.3	0.8	7.4	7.0	0.9
HYSTERECTOMY	610	0.7	0.7	0.5	1.5	1.7	0.9	2.0	2.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 359,470

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.99	28.63	0.09	1.08	0.00	4.94	4.89	0.04	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.85	0.01	1.10	0.02					
CONGESTIVE HEART FAILURE	2.05	1.82	0.02	1.13	0.01					
PNEUMONIA/INFLUENZA	1.63	1.26	0.02	1.29	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.51	0.01	1.17	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.38	0.01	1.05	0.03					
STROKE	1.06	0.97	0.02	1.09	0.02					
HIP FRACTURE	0.71	0.62	0.01	1.14	0.02					
SEPSIS	0.51	0.41	0.01	1.23	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.27	0.01	1.17	0.04					
CORONARY ARTERY BYPASS GRAFT	0.47	0.36	0.01	1.31	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.16	0.04					
CAROTID ENDARTERECTOMY	0.12	0.11	0.01	1.02	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.43	0.01	1.11	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.31	0.01	1.09	0.03					
PROSTATECTOMY	0.71	0.70	0.01	1.03	0.02					
CHOLECYSTECTOMY	0.43	0.41	0.01	1.04	0.03					
HYSTERECTOMY	0.18	0.17	0.01	1.05	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, IL (7880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,263	7.1	7.8	0.5	11.9	12.2	0.4	15.2	15.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	280	21.8	23.1	2.7	26.4	26.2	2.8	28.9	28.9	2.7
CONGESTIVE HEART FAILURE	418	11.2	14.2	2.2	20.6	22.4	2.2	26.3	28.6	2.4
PNEUMONIA/INFLUENZA	336	13.1	14.4	2.3	19.3	20.0	2.3	25.6	23.8	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	172	7.6	8.0	2.2	16.3	14.1	3.4	21.5	18.7	4.3
TRANSIENT CEREBRAL ISCHEMIA	125	3.2	1.7	2.5	7.2	4.0	3.5	8.0	6.6	3.0
STROKE	325	14.2	20.6	3.9	23.4	26.8	3.1	27.1	30.6	3.1
HIP FRACTURE	198	4.5	6.4	2.9	10.6	11.4	3.4	13.1	14.9	3.2
SEPSIS	84	26.2	24.6	5.1	36.9	33.1	6.1	39.3	38.0	5.4
PROCEDURES:										
ANGIOPLASTY	218	4.1	2.7	1.6	4.6	3.5	1.9	5.5	4.4	2.3
CORONARY ARTERY BYPASS GRAFT	349	3.7	5.6	2.1	6.0	7.8	2.3	6.9	8.8	2.2
INITIAL PACEMAKER INSERTION	113	3.5	3.2	1.7	4.4	6.0	2.5	5.3	8.6	3.7
CAROTID ENDARTERECTOMY	79	1.3	1.7	1.5	3.8	3.2	2.1	5.1	4.8	2.5
HIP REPLACEMENT/RECONSTRUCTION	171	1.8	3.0	2.1	4.1	5.4	2.5	6.4	7.2	2.4
OPEN REDUCTION OF HIP FRACTURE	81	4.9	5.8	2.7	12.3	10.5	3.8	12.3	14.0	4.6
PROSTATECTOMY	304	0.3	1.2	1.3	3.3	2.6	1.1	4.9	4.4	1.3
CHOLECYSTECTOMY	176	2.8	2.9	1.3	6.8	5.4	2.0	10.2	7.4	2.9
HYSTERECTOMY	74	1.4	0.8	1.3	4.1	1.7	2.8	4.1	2.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 30,059

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.01	29.57	0.31	1.02	0.01	4.97	5.01	0.13	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.80	0.92	0.05	0.86	0.05					
CONGESTIVE HEART FAILURE	1.91	1.86	0.08	1.03	0.04					
PNEUMONIA/INFLUENZA	1.24	1.42	0.07	0.87	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.57	0.04	1.01	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.41	0.04	0.93	0.08					
STROKE	1.07	0.96	0.06	1.12	0.07					
HIP FRACTURE	0.64	0.71	0.05	0.90	0.06					
SEPSIS	0.32	0.39	0.04	0.84	0.08					
PROCEDURES:										
ANGIOPLASTY	0.26	0.28	0.03	0.93	0.10					
CORONARY ARTERY BYPASS GRAFT	0.40	0.37	0.03	1.08	0.10					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.03	1.10	0.14					
CAROTID ENDARTERECTOMY	0.16	0.13	0.02	1.22	0.20					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.48	0.04	0.87	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.34	0.03	0.84	0.08					
PROSTATECTOMY	0.78	0.67	0.05	1.15	0.08					
CHOLECYSTECTOMY	0.46	0.45	0.04	1.01	0.09					
HYSTERECTOMY	0.15	0.18	0.02	0.80	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

IL-(NONMSA) (99IL)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	56,935	9.6	9.0	0.1	14.3	13.7	0.2	17.8	17.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,686	31.1	27.3	1.7	35.5	30.5	1.8	38.6	33.3	2.0
CONGESTIVE HEART FAILURE	3,384	16.2	15.0	0.8	24.7	23.6	0.9	30.6	30.0	0.8
PNEUMONIA/INFLUENZA	3,877	15.4	15.5	0.6	20.9	21.2	0.8	25.1	25.0	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,108	8.4	7.2	1.1	12.6	12.8	1.0	17.0	17.3	1.2
TRANSIENT CEREBRAL ISCHEMIA	1,174	1.4	1.9	0.6	4.1	4.3	0.6	6.6	7.0	1.0
STROKE	2,100	21.0	19.5	1.2	27.6	25.9	1.1	32.5	29.8	1.5
HIP FRACTURE	1,482	8.4	6.6	1.0	13.7	11.6	1.3	17.0	15.2	1.5
SEPSIS	688	24.0	25.4	1.7	33.6	33.1	2.1	36.8	37.9	2.0
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	234	5.6	3.8	2.0	9.4	7.0	2.7	12.8	9.9	2.8
CAROTID ENDARTERECTOMY	96	3.1	1.6	1.9	5.2	2.9	3.3	7.3	4.4	4.0
HIP REPLACEMENT/RECONSTRUCTION	877	4.3	3.9	0.8	8.7	7.3	1.2	11.3	9.9	1.6
OPEN REDUCTION OF HIP FRACTURE	647	8.3	5.8	1.3	12.1	10.7	1.3	13.6	14.2	1.9
PROSTATECTOMY	1,478	1.2	1.1	0.5	3.1	2.5	0.6	4.6	4.3	0.8
CHOLECYSTECTOMY	1,045	2.7	2.5	0.6	5.1	4.6	0.9	6.5	6.1	0.9
HYSTERECTOMY	384	0.8	0.8	0.6	1.6	1.7	1.1	2.3	2.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 375,506

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.80	30.33	0.09	1.05	0.00	4.83	4.86	0.04	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	1.01	0.02	0.95	0.02					
CONGESTIVE HEART FAILURE	1.95	1.82	0.02	1.07	0.01					
PNEUMONIA/INFLUENZA	1.71	1.62	0.02	1.05	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.66	0.62	0.01	1.10	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.41	0.01	1.27	0.03					
STROKE	0.99	0.98	0.02	1.00	0.02					
HIP FRACTURE	0.66	0.69	0.01	0.94	0.02					
SEPSIS	0.35	0.36	0.01	0.99	0.03					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	0.97	0.03					
CORONARY ARTERY BYPASS GRAFT	0.35	0.39	0.01	0.88	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.01	0.91	0.04					
CAROTID ENDARTERECTOMY	0.12	0.13	0.01	0.95	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.50	0.01	0.94	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.32	0.01	0.90	0.03					
PROSTATECTOMY	0.72	0.78	0.01	0.93	0.02					
CHOLECYSTECTOMY	0.50	0.52	0.01	0.94	0.02					
HYSTERECTOMY	0.18	0.19	0.01	0.98	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

ANDERSON, IN (0400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,908	8.9	8.7	0.5	13.8	13.3	0.7	17.1	16.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	105	17.1	25.8	7.0	21.0	28.6	6.8	26.7	31.3	6.7
CONGESTIVE HEART FAILURE	258	17.1	13.8	3.2	27.5	22.2	3.6	36.0	28.4	4.7
PNEUMONIA/INFLUENZA	199	20.1	14.7	3.9	27.1	20.5	4.1	30.2	24.2	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	68	5.9	9.9	4.4	8.8	16.7	6.7	10.3	21.7	8.6
TRANSIENT CEREBRAL ISCHEMIA	62	1.6	2.0	1.8	1.6	4.6	3.2	3.2	7.4	4.5
STROKE	186	22.0	17.5	3.4	28.0	23.8	3.7	33.3	27.6	4.1
HIP FRACTURE	93	10.8	6.1	3.4	15.1	11.0	4.7	22.6	14.6	5.2
SEPSIS	62	16.1	25.9	7.0	29.0	33.1	7.5	38.7	37.5	7.2
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	26	0.0	2.5	*	15.4	5.4	*	19.2	8.3	*
CAROTID ENDARTERECTOMY	23	0.0	1.2	*	0.0	2.1	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	77	5.2	3.6	2.9	7.8	6.8	3.9	10.4	9.3	3.7
OPEN REDUCTION OF HIP FRACTURE	38	5.3	5.1	*	13.2	9.2	*	13.2	12.3	*
PROSTATECTOMY	93	0.0	1.0	1.7	0.0	2.1	3.6	3.2	3.5	3.1
CHOLECYSTECTOMY	98	2.0	1.9	1.4	4.1	3.5	2.0	5.1	4.6	3.0
HYSTERECTOMY	41	0.0	0.7	*	0.0	1.7	*	0.0	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,633

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.24	29.14	0.37	1.07	0.01	4.65	4.57	0.14	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.92	0.07	1.11	0.08					
CONGESTIVE HEART FAILURE	2.19	1.80	0.09	1.21	0.06					
PNEUMONIA/INFLUENZA	1.39	1.37	0.08	1.03	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.60	0.05	1.02	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.42	0.04	0.99	0.11					
STROKE	1.22	0.93	0.07	1.32	0.09					
HIP FRACTURE	0.64	0.61	0.05	1.05	0.09					
SEPSIS	0.44	0.36	0.04	1.22	0.14					
PROCEDURES:										
ANGIOPLASTY	0.35	0.29	0.04	1.18	0.16					
CORONARY ARTERY BYPASS GRAFT	0.31	0.40	0.04	0.77	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.03	0.92	0.15					
CAROTID ENDARTERECTOMY	0.28	0.13	0.03	2.10	0.43					
HIP REPLACEMENT/RECONSTRUCTION	0.60	0.44	0.04	1.36	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.29	0.04	0.80	0.11					
PROSTATECTOMY	0.57	0.71	0.06	0.82	0.07					
CHOLECYSTECTOMY	0.55	0.49	0.05	1.14	0.11					
HYSTERECTOMY	0.23	0.19	0.03	1.27	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

BLOOMINGTON, IN (1020)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

	NUMBER	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,591	8.0	9.0	0.9	13.0	13.7	0.9	15.8	17.2	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	72	19.4	27.6	9.0	29.2	31.0	9.8	31.9	33.8	8.3
CONGESTIVE HEART FAILURE	148	14.9	14.6	2.9	19.6	23.1	3.8	23.6	29.2	4.6
PNEUMONIA/INFLUENZA	136	11.8	15.4	4.1	15.4	21.5	5.2	19.9	25.4	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	44	20.5	8.2	*	27.3	15.4	*	29.5	21.2	*
TRANSIENT CEREBRAL ISCHEMIA	45	2.2	1.9	*	2.2	4.2	*	6.7	6.7	*
STROKE	118	16.1	18.6	4.2	22.0	24.4	4.5	24.6	28.0	4.9
HIP FRACTURE	75	5.3	5.8	2.7	6.7	10.3	4.2	6.7	13.6	5.6
SEPSIS	21	14.3	22.7	*	19.0	28.9	*	33.3	33.0	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	1	0.0	3.5	*	0.0	6.9	*	0.0	8.5	*
INITIAL PACEMAKER INSERTION	20	0.0	4.0	*	0.0	7.1	*	0.0	9.6	*
CAROTID ENDARTERECTOMY	1	0.0	0.8	*	0.0	1.5	*	0.0	2.4	*
HIP REPLACEMENT/RECONSTRUCTION	36	0.0	3.6	*	2.8	7.3	*	2.8	10.2	*
OPEN REDUCTION OF HIP FRACTURE	33	6.1	5.9	*	6.1	10.7	*	6.1	14.1	*
PROSTATECTOMY	111	0.9	0.8	1.1	1.8	1.8	2.5	5.4	3.0	2.7
CHOLECYSTECTOMY	86	0.0	3.2	2.8	4.7	6.0	2.9	7.0	8.1	3.2
HYSTERECTOMY	27	0.0	0.5	*	0.0	1.1	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 10,318

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.48	28.12	0.52	1.01	0.02	4.44	4.58	0.21	0.97	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.92	0.09	0.92	0.10					
CONGESTIVE HEART FAILURE	1.96	1.68	0.13	1.17	0.09					
PNEUMONIA/INFLUENZA	1.44	1.34	0.11	1.08	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.56	0.07	0.74	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.38	0.06	1.12	0.18					
STROKE	1.01	0.89	0.09	1.11	0.12					
HIP FRACTURE	0.73	0.63	0.08	1.15	0.15					
SEPSIS	0.29	0.34	0.06	0.84	0.15					
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.05	1.04	0.20					
CORONARY ARTERY BYPASS GRAFT	0.49	0.39	0.06	1.28	0.21					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.04	1.12	0.27					
CAROTID ENDARTERECTOMY	0.11	0.12	0.04	1.03	0.33					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.46	0.07	0.82	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.29	0.05	1.05	0.20					
PROSTATECTOMY	0.77	0.71	0.08	1.06	0.13					
CHOLECYSTECTOMY	0.62	0.47	0.07	1.28	0.19					
HYSTERECTOMY	0.16	0.19	0.04	0.83	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

CINCINNATI, OH-KY-IN (1640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	43,041	8.6	9.0	0.2	13.6	13.8	0.3	16.9	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,190	25.3	25.6	1.3	28.5	28.6	1.4	30.8	31.2	1.6
CONGESTIVE HEART FAILURE	2,224	14.6	14.4	0.9	22.8	22.7	0.9	29.1	28.9	1.2
PNEUMONIA/INFLUENZA	2,459	15.5	16.9	1.2	21.8	23.0	1.6	26.5	27.0	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	838	8.6	7.3	1.4	14.0	12.9	2.1	19.2	17.3	2.1
TRANSIENT CEREBRAL ISCHEMIA	711	1.4	1.8	0.6	3.8	4.0	0.8	6.2	6.4	0.9
STROKE	1,486	17.6	20.0	1.6	24.5	26.6	1.7	28.2	30.4	1.7
HIP FRACTURE	1,009	5.9	6.6	1.3	9.1	11.7	1.5	11.8	15.2	1.7
SEPSIS	471	22.5	26.1	2.5	33.5	34.0	2.4	38.0	38.7	2.4
PROCEDURES:										
ANGIOPLASTY	457	2.0	2.5	0.8	3.3	3.5	0.9	3.3	4.4	1.1
CORONARY ARTERY BYPASS GRAFT	648	2.9	5.3	1.4	4.2	7.3	1.4	5.4	8.3	1.4
INITIAL PACEMAKER INSERTION	412	3.2	3.5	1.5	7.0	6.7	2.1	8.7	9.6	2.0
CAROTID ENDARTERECTOMY	259	2.7	1.4	1.3	3.9	2.6	1.4	5.0	3.8	1.5
HIP REPLACEMENT/RECONSTRUCTION	720	2.4	3.5	1.0	4.6	6.4	1.4	6.4	8.7	1.6
OPEN REDUCTION OF HIP FRACTURE	339	6.5	6.1	1.8	9.4	11.3	2.5	12.4	15.0	3.5
PROSTATECTOMY	1,182	0.6	1.0	0.5	2.8	2.4	0.7	4.0	4.1	0.6
CHOLECYSTECTOMY	798	2.3	2.9	0.7	6.0	5.3	1.1	8.1	7.0	1.3
HYSTERECTOMY	346	0.0	0.7	0.5	1.2	1.5	1.0	1.2	2.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 202,834

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.37	28.89	0.12	1.09	0.00	4.93	4.75	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.87	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	2.00	1.81	0.03	1.10	0.02					
PNEUMONIA/INFLUENZA	1.80	1.30	0.02	1.38	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.56	0.02	1.30	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.40	0.01	1.15	0.04					
STROKE	1.01	0.95	0.02	1.06	0.02					
HIP FRACTURE	0.65	0.61	0.02	1.07	0.03					
SEPSIS	0.37	0.39	0.01	0.94	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.27	0.01	1.02	0.04					
CORONARY ARTERY BYPASS GRAFT	0.44	0.37	0.01	1.19	0.04					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.41	0.07					
CAROTID ENDARTERECTOMY	0.18	0.12	0.01	1.52	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.43	0.01	0.97	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.01	0.79	0.03					
PROSTATECTOMY	0.70	0.68	0.02	1.01	0.03					
CHOLECYSTECTOMY	0.49	0.43	0.01	1.14	0.04					
HYSTERECTOMY	0.20	0.18	0.01	1.15	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ELKHART-GOSHEN, IN (2330)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,623	9.2	8.5	0.7	13.9	12.9	1.0	17.1	16.1	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	114	22.8	23.9	4.1	25.4	26.4	4.5	28.1	28.9	4.9
CONGESTIVE HEART FAILURE	224	14.3	14.3	3.0	20.5	22.3	3.3	29.0	28.6	3.1
PNEUMONIA/INFLUENZA	177	13.6	14.3	3.7	18.6	19.5	4.2	19.8	23.3	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	81	11.1	8.6	3.8	16.0	14.7	4.8	23.5	19.4	6.0
TRANSIENT CEREBRAL ISCHEMIA	47	2.1	1.6	*	2.1	3.5	*	2.1	5.8	*
STROKE	156	23.7	19.7	4.5	35.3	26.5	5.5	36.5	30.4	6.0
HIP FRACTURE	144	6.9	6.4	2.6	13.2	11.1	3.2	16.7	14.4	3.5
SEPSIS	28	28.6	31.0	*	42.9	38.2	*	46.4	42.7	*
PROCEDURES:										
ANGIOPLASTY	1	0.0	4.6	*	0.0	7.2	*	0.0	8.7	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	15	0.0	2.8	*	0.0	5.2	*	0.0	7.3	*
CAROTID ENDARTERECTOMY	4	0.0	1.9	*	0.0	3.7	*	0.0	5.3	*
HIP REPLACEMENT/RECONSTRUCTION	75	4.0	3.4	2.7	6.7	6.2	3.4	8.0	8.2	3.3
OPEN REDUCTION OF HIP FRACTURE	89	6.7	5.3	4.4	13.5	9.5	5.5	19.1	12.6	7.2
PROSTATECTOMY	192	1.6	0.9	0.8	1.6	1.9	1.0	2.6	3.3	1.4
CHOLECYSTECTOMY	96	2.1	2.5	1.8	4.2	4.7	2.2	5.2	6.4	2.7
HYSTERECTOMY	36	0.0	0.2	*	0.0	0.6	*	2.8	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,587

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.19	27.77	0.38	0.91	0.01	4.70	4.63	0.15	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.90	0.07	0.99	0.07					
CONGESTIVE HEART FAILURE	1.80	1.68	0.09	1.07	0.06					
PNEUMONIA/INFLUENZA	1.04	1.29	0.08	0.80	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.53	0.05	1.06	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.37	0.04	0.80	0.10					
STROKE	0.84	0.90	0.07	0.93	0.07					
HIP FRACTURE	0.74	0.63	0.06	1.16	0.11					
SEPSIS	0.20	0.35	0.04	0.54	0.07					
PROCEDURES:										
ANGIOPLASTY	0.21	0.29	0.04	0.75	0.10					
CORONARY ARTERY BYPASS GRAFT	0.47	0.39	0.04	1.22	0.14					
INITIAL PACEMAKER INSERTION	0.12	0.20	0.03	0.52	0.09					
CAROTID ENDARTERECTOMY	0.08	0.13	0.03	0.61	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.47	0.05	0.91	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.45	0.30	0.04	1.49	0.20					
PROSTATECTOMY	0.96	0.74	0.06	1.30	0.11					
CHOLECYSTECTOMY	0.51	0.46	0.05	1.10	0.12					
HYSTERECTOMY	0.21	0.19	0.03	1.07	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

EVANSVILLE, IN-KY (2440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES................................	11,668	8.7	8.3	0.3	13.2	12.7	0.4	16.6	15.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	387	26.1	25.0	2.3	29.2	27.8	2.5	31.0	30.4	2.4
CONGESTIVE HEART FAILURE...................	531	15.8	14.1	1.8	24.9	22.4	2.5	32.0	28.5	2.7
PNEUMONIA/INFLUENZA........................	598	14.0	14.9	1.6	19.6	20.6	2.0	25.4	24.4	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.......	193	4.1	5.5	2.0	8.3	10.4	3.2	11.4	14.5	4.2
TRANSIENT CEREBRAL ISCHEMIA................	198	2.5	1.6	1.2	3.5	3.6	1.4	5.6	6.0	1.9
STROKE.....................................	382	18.6	18.4	2.6	25.7	24.5	2.4	30.4	28.2	2.9
HIP FRACTURE...............................	277	8.7	6.2	3.1	12.6	11.0	3.4	17.3	14.4	3.8
SEPSIS.....................................	144	22.2	22.6	3.9	29.2	29.7	5.1	34.7	34.2	4.4
PROCEDURES:										
ANGIOPLASTY................................	196	3.1	2.9	1.2	4.1	3.7	1.6	4.6	4.5	2.0
CORONARY ARTERY BYPASS GRAFT...............	243	4.9	4.5	1.4	6.6	6.5	2.0	7.0	7.4	2.3
INITIAL PACEMAKER INSERTION................	70	5.7	2.9	2.7	5.7	5.9	3.4	8.6	8.8	3.8
CAROTID ENDARTERECTOMY.....................	93	3.2	1.5	1.8	3.2	2.8	1.8	5.4	4.1	2.4
HIP REPLACEMENT/RECONSTRUCTION.............	193	3.6	2.7	1.8	5.7	5.0	1.9	7.3	6.8	2.3
OPEN REDUCTION OF HIP FRACTURE.............	109	8.3	6.3	4.0	11.9	11.5	3.4	16.5	15.2	3.7
PROSTATECTOMY..............................	326	0.9	1.0	0.8	1.5	2.3	1.3	2.5	4.0	2.0
CHOLECYSTECTOMY............................	283	2.5	2.5	1.1	3.2	4.6	1.7	5.7	6.2	1.7
HYSTERECTOMY...............................	96	0.0	0.4	0.8	1.0	1.0	1.0	2.1	1.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,295

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES.....................................	29.67	29.72	0.26	1.00	0.01	4.84	4.76	0.10	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION..................	0.92	0.94	0.05	0.97	0.05					
CONGESTIVE HEART FAILURE.....................	1.79	1.83	0.06	0.98	0.03					
PNEUMONIA/INFLUENZA..........................	1.69	1.45	0.06	1.16	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.63	0.60	0.04	1.03	0.06					
TRANSIENT CEREBRAL ISCHEMIA..................	0.45	0.41	0.03	1.09	0.08					
STROKE.......................................	0.94	0.96	0.05	0.97	0.05					
HIP FRACTURE.................................	0.63	0.64	0.04	0.97	0.06					
SEPSIS.......................................	0.43	0.37	0.03	1.13	0.09					
PROCEDURES:										
ANGIOPLASTY..................................	0.37	0.29	0.02	1.28	0.11					
CORONARY ARTERY BYPASS GRAFT.................	0.42	0.38	0.03	1.06	0.08					
INITIAL PACEMAKER INSERTION..................	0.16	0.20	0.02	0.76	0.08					
CAROTID ENDARTERECTOMY.......................	0.21	0.13	0.02	1.58	0.21					
HIP REPLACEMENT/RECONSTRUCTION...............	0.42	0.45	0.03	0.93	0.07					
OPEN REDUCTION OF HIP FRACTURE...............	0.25	0.30	0.03	0.79	0.07					
PROSTATECTOMY................................	0.67	0.70	0.04	0.94	0.05					
CHOLECYSTECTOMY..............................	0.61	0.48	0.03	1.27	0.09					
HYSTERECTOMY.................................	0.17	0.18	0.02	0.93	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

FORT WAYNE, IN (2760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,344	9.3	8.9	0.3	14.2	13.2	0.6	17.7	16.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	369	22.2	27.1	3.6	24.9	29.7	3.9	27.6	32.2	4.0
CONGESTIVE HEART FAILURE	577	18.4	13.9	2.5	26.7	22.0	2.8	32.9	28.2	2.9
PNEUMONIA/INFLUENZA	392	19.6	17.1	2.2	27.6	23.3	2.9	34.4	27.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	110	5.5	6.6	2.4	13.6	11.8	3.2	20.9	16.0	4.4
TRANSIENT CEREBRAL ISCHEMIA	104	1.9	1.4	1.5	2.9	3.2	1.8	2.9	5.4	3.2
STROKE	427	20.6	20.3	2.0	26.7	26.2	2.2	29.7	29.7	2.3
HIP FRACTURE	330	10.6	6.4	2.1	17.3	11.3	2.7	19.1	14.7	2.7
SEPSIS	116	23.3	27.1	5.5	31.9	34.7	6.7	37.1	39.4	5.4
PROCEDURES:										
ANGIOPLASTY	301	4.3	3.6	1.3	5.3	4.4	1.4	6.3	5.3	1.6
CORONARY ARTERY BYPASS GRAFT	290	7.2	5.6	1.9	10.7	7.8	2.6	12.8	8.8	3.2
INITIAL PACEMAKER INSERTION	132	3.0	3.1	2.4	8.3	5.9	3.6	9.8	8.5	4.1
CAROTID ENDARTERECTOMY	85	0.0	1.3	1.8	2.4	2.5	2.3	4.7	3.8	2.9
HIP REPLACEMENT/RECONSTRUCTION	341	3.2	2.2	1.4	5.6	4.1	2.0	6.5	5.6	2.6
OPEN REDUCTION OF HIP FRACTURE	158	9.5	6.5	2.6	16.5	11.9	3.3	18.4	15.6	3.2
PROSTATECTOMY	304	1.0	0.9	0.6	1.6	2.1	1.2	3.9	3.5	1.4
CHOLECYSTECTOMY	199	3.0	2.7	1.6	4.5	4.9	1.5	7.0	6.7	1.9
HYSTERECTOMY	120	0.0	0.6	0.9	0.8	1.4	1.2	1.7	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 48,550

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.88	27.86	0.24	0.89	0.01	4.82	4.74	0.10	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.86	0.04	0.78	0.04					
CONGESTIVE HEART FAILURE	1.68	1.72	0.06	0.98	0.03					
PNEUMONIA/INFLUENZA	1.05	1.28	0.05	0.82	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.53	0.03	0.64	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.36	0.03	0.61	0.05					
STROKE	0.95	0.91	0.04	1.04	0.05					
HIP FRACTURE	0.60	0.63	0.04	0.98	0.06					
SEPSIS	0.33	0.37	0.03	0.89	0.07					
PROCEDURES:										
ANGIOPLASTY	0.40	0.29	0.02	1.40	0.12					
CORONARY ARTERY BYPASS GRAFT	0.40	0.37	0.03	1.06	0.08					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.02	1.21	0.13					
CAROTID ENDARTERECTOMY	0.13	0.12	0.02	1.00	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.45	0.03	1.07	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.02	0.97	0.08					
PROSTATECTOMY	0.61	0.70	0.04	0.86	0.05					
CHOLECYSTECTOMY	0.40	0.43	0.03	0.92	0.06					
HYSTERECTOMY	0.23	0.18	0.02	1.29	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

GARY-HAMMOND, IN (2960)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	20,985	8.3	8.7	0.2	13.1	13.1	0.2	16.6	16.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	476	26.7	26.7	2.1	30.0	29.4	2.2	32.6	31.9	2.2
CONGESTIVE HEART FAILURE	1,219	12.0	13.7	1.3	21.6	21.8	1.5	28.9	27.8	1.5
PNEUMONIA/INFLUENZA	801	13.4	15.1	1.9	20.2	20.7	1.8	24.6	24.3	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	381	7.3	10.3	2.0	12.1	17.3	2.8	17.3	22.2	3.2
TRANSIENT CEREBRAL ISCHEMIA	515	1.0	1.7	0.7	4.3	3.8	1.1	6.2	6.1	1.1
STROKE	751	20.8	21.3	1.6	27.2	27.0	1.6	30.9	30.5	1.8
HIP FRACTURE	372	8.9	7.1	2.2	15.3	12.3	3.4	18.5	15.8	4.0
SEPSIS	270	23.7	26.0	3.0	33.7	33.4	2.9	38.5	37.9	3.0
PROCEDURES:										
ANGIOPLASTY	345	2.6	3.8	1.5	3.5	4.8	1.5	4.9	5.8	1.4
CORONARY ARTERY BYPASS GRAFT	450	8.0	6.0	1.5	11.1	8.4	1.7	14.4	9.4	2.2
INITIAL PACEMAKER INSERTION	185	3.2	2.6	1.3	8.1	5.3	2.5	13.0	7.9	3.9
CAROTID ENDARTERECTOMY	157	0.6	1.5	1.1	3.2	2.7	1.3	6.4	3.9	1.9
HIP REPLACEMENT/RECONSTRUCTION	323	5.0	3.2	1.6	8.4	5.7	2.3	10.2	7.5	2.4
OPEN REDUCTION OF HIP FRACTURE	146	6.8	6.6	2.2	13.7	12.0	3.1	17.8	15.7	3.5
PROSTATECTOMY	794	1.1	1.2	0.4	2.1	2.7	0.7	4.3	4.5	0.8
CHOLECYSTECTOMY	388	3.1	3.1	1.5	8.0	5.6	2.5	9.8	7.3	2.9
HYSTERECTOMY	143	1.4	0.5	1.0	1.4	1.2	0.9	2.1	1.9	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 83,119

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.88	28.20	0.18	1.24	0.01	4.73	4.38	0.07	1.08	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.85	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE	2.40	1.76	0.05	1.36	0.04					
PNEUMONIA/INFLUENZA	1.29	1.22	0.04	1.06	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.79	0.58	0.03	1.35	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.74	0.39	0.02	1.89	0.11					
STROKE	1.09	0.92	0.03	1.19	0.04					
HIP FRACTURE	0.46	0.50	0.02	0.93	0.05					
SEPSIS	0.46	0.38	0.02	1.19	0.07					
PROCEDURES:										
ANGIOPLASTY	0.47	0.29	0.02	1.61	0.10					
CORONARY ARTERY BYPASS GRAFT	0.64	0.39	0.02	1.63	0.09					
INITIAL PACEMAKER INSERTION	0.26	0.19	0.01	1.39	0.11					
CAROTID ENDARTERECTOMY	0.19	0.13	0.01	1.37	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.39	0.02	1.16	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.17	0.24	0.02	0.72	0.05					
PROSTATECTOMY	1.04	0.74	0.03	1.41	0.06					
CHOLECYSTECTOMY	0.53	0.44	0.02	1.19	0.06					
HYSTERECTOMY	0.19	0.17	0.01	1.14	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

INDIANAPOLIS, IN (3480)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	38,513	8.7	8.7	0.1	13.5	13.3	0.4	16.6	16.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,094	21.3	24.6	2.0	24.7	27.5	1.9	27.0	30.1	2.0
CONGESTIVE HEART FAILURE	1,763	13.1	13.8	0.9	21.2	22.1	1.4	27.2	28.2	1.3
PNEUMONIA/INFLUENZA	1,542	17.6	15.7	1.3	24.8	21.7	1.7	29.0	25.6	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	640	7.8	7.1	1.3	13.4	12.6	1.5	17.5	17.0	1.9
TRANSIENT CEREBRAL ISCHEMIA	374	2.4	1.8	1.1	5.6	4.0	1.9	7.8	6.5	2.6
STROKE	1,260	21.0	19.8	1.8	27.1	25.9	1.6	30.6	29.7	1.5
HIP FRACTURE	847	7.4	6.3	1.5	13.5	11.3	2.0	15.9	14.8	2.2
SEPSIS	461	25.4	26.5	2.2	35.1	34.8	2.3	39.9	39.9	2.4
PROCEDURES:										
ANGIOPLASTY	903	2.9	3.1	0.6	4.4	4.0	0.8	4.9	4.9	0.7
CORONARY ARTERY BYPASS GRAFT	792	6.6	5.8	1.4	9.3	8.3	1.4	10.7	9.4	1.6
INITIAL PACEMAKER INSERTION	241	3.3	3.1	1.4	7.1	6.2	1.9	10.8	9.2	2.5
CAROTID ENDARTERECTOMY	287	1.7	1.2	0.8	3.1	2.3	1.1	3.1	3.5	1.2
HIP REPLACEMENT/RECONSTRUCTION	881	2.8	2.2	1.0	4.9	4.1	1.1	5.9	5.7	1.0
OPEN REDUCTION OF HIP FRACTURE	476	7.1	5.7	1.5	13.7	10.5	2.3	16.4	14.1	2.5
PROSTATECTOMY	857	1.3	1.0	0.4	2.2	2.3	0.5	3.4	3.9	0.8
CHOLECYSTECTOMY	730	2.6	2.9	0.8	5.2	5.3	1.0	6.6	7.0	1.1
HYSTERECTOMY	387	0.0	0.8	0.8	0.8	1.9	0.9	1.3	3.0	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 160,812

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.48	28.76	0.13	1.03	0.00	4.90	4.79	0.05	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.86	0.02	0.90	0.02					
CONGESTIVE HEART FAILURE	1.83	1.80	0.03	1.01	0.02					
PNEUMONIA/INFLUENZA	1.41	1.27	0.03	1.11	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.53	0.02	1.22	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.39	0.02	0.75	0.03					
STROKE	0.95	0.96	0.02	0.99	0.02					
HIP FRACTURE	0.68	0.60	0.02	1.13	0.04					
SEPSIS	0.47	0.40	0.02	1.16	0.05					
PROCEDURES:										
ANGIOPLASTY	0.45	0.28	0.01	1.60	0.08					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.01	1.02	0.04					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.81	0.05					
CAROTID ENDARTERECTOMY	0.14	0.12	0.01	1.10	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.41	0.02	1.16	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.38	0.30	0.01	1.26	0.06					
PROSTATECTOMY	0.60	0.68	0.02	0.88	0.03					
CHOLECYSTECTOMY	0.50	0.42	0.02	1.19	0.05					
HYSTERECTOMY	0.22	0.17	0.01	1.28	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

KOKOMO, IN (3850)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,894	10.2	9.4	0.7	14.9	14.2	0.7	17.7	17.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	78	39.7	28.0	9.4	41.0	31.6	9.2	43.6	34.7	9.4
CONGESTIVE HEART FAILURE	173	12.7	13.6	3.6	20.2	21.8	3.4	25.4	28.0	4.3
PNEUMONIA/INFLUENZA	162	21.6	17.0	4.1	27.2	23.3	4.3	28.4	27.3	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	46	2.2	7.8	*	8.7	13.4	*	15.2	17.7	*
TRANSIENT CEREBRAL ISCHEMIA	36	0.0	2.2	*	8.3	5.0	*	13.9	8.1	*
STROKE	104	19.2	17.4	4.3	26.0	23.6	4.9	30.8	27.5	5.6
HIP FRACTURE	82	11.0	5.6	4.0	13.4	10.2	4.3	18.3	13.4	4.5
SEPSIS	79	21.5	26.0	6.4	31.6	34.5	8.9	31.6	39.3	8.2
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	24	0.0	2.9	*	4.2	6.0	*	8.3	9.1	*
CAROTID ENDARTERECTOMY	6	0.0	1.7	*	0.0	3.0	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	47	4.3	3.9	*	6.4	7.4	*	10.6	10.0	*
OPEN REDUCTION OF HIP FRACTURE	33	12.1	5.1	*	12.1	9.6	*	18.2	12.8	*
PROSTATECTOMY	100	0.0	0.9	1.4	1.0	2.2	1.7	2.0	3.8	2.5
CHOLECYSTECTOMY	68	2.9	1.6	2.0	4.4	2.9	2.4	4.4	4.0	2.7
HYSTERECTOMY	16	0.0	0.5	*	0.0	1.2	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 13,984

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.19	29.00	0.45	1.18	0.02	4.62	4.59	0.18	1.00	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.92	0.08	1.13	0.10					
CONGESTIVE HEART FAILURE	2.40	1.77	0.11	1.37	0.09					
PNEUMONIA/INFLUENZA	1.67	1.37	0.10	1.22	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.59	0.07	1.07	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.40	0.05	0.94	0.13					
STROKE	1.05	0.92	0.08	1.14	0.10					
HIP FRACTURE	0.67	0.61	0.07	1.12	0.12					
SEPSIS	0.79	0.35	0.05	2.35	0.35					
PROCEDURES:										
ANGIOPLASTY	0.43	0.28	0.05	1.39	0.23					
CORONARY ARTERY BYPASS GRAFT	0.44	0.39	0.05	1.21	0.17					
INITIAL PACEMAKER INSERTION	0.22	0.19	0.04	1.08	0.22					
CAROTID ENDARTERECTOMY	0.18	0.13	0.03	1.36	0.34					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.44	0.06	1.16	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.04	0.97	0.16					
PROSTATECTOMY	0.59	0.68	0.07	0.86	0.09					
CHOLECYSTECTOMY	0.61	0.48	0.06	1.23	0.15					
HYSTERECTOMY	0.12	0.18	0.04	0.72	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

LAFAYETTE, IN (3920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,087	10.9	8.0	0.5	15.9	12.4	0.8	18.9	15.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	134	30.6	24.5	6.9	34.3	27.4	7.1	36.6	30.2	7.3
CONGESTIVE HEART FAILURE	176	20.5	13.6	4.3	29.0	21.7	4.4	33.5	27.9	4.3
PNEUMONIA/INFLUENZA	170	13.5	12.4	3.5	17.6	17.3	3.0	22.4	20.8	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	85	7.1	5.8	2.9	12.9	10.5	3.7	12.9	14.3	3.9
TRANSIENT CEREBRAL ISCHEMIA	39	0.0	1.4	*	5.1	3.2	*	7.7	5.4	*
STROKE	127	26.8	18.1	4.6	29.9	23.6	4.4	32.3	27.3	4.4
HIP FRACTURE	137	5.1	4.8	2.4	11.7	8.7	3.4	13.9	11.6	4.2
SEPSIS	34	14.7	19.2	*	14.7	25.4	*	17.6	29.9	*
PROCEDURES:										
ANGIOPLASTY	50	0.0	2.3	*	2.0	3.2	*	2.0	4.1	*
CORONARY ARTERY BYPASS GRAFT	71	12.7	5.1	3.9	18.3	7.3	5.2	19.7	8.3	5.6
INITIAL PACEMAKER INSERTION	32	9.4	2.7	*	12.5	4.8	*	15.6	6.8	*
CAROTID ENDARTERECTOMY	17	0.0	1.4	*	5.9	2.6	*	11.8	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	112	3.6	2.0	2.8	6.3	3.9	3.4	7.1	5.6	4.0
OPEN REDUCTION OF HIP FRACTURE	47	2.1	4.7	*	14.9	8.6	*	19.1	11.8	*
PROSTATECTOMY	183	1.1	0.8	1.0	1.1	1.8	1.4	2.2	3.1	2.3
CHOLECYSTECTOMY	82	2.4	1.9	2.1	8.5	3.7	4.6	8.5	5.1	4.5
HYSTERECTOMY	33	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,115

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.90	28.15	0.45	0.88	0.01	5.36	4.70	0.18	1.14	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.92	0.08	0.91	0.08					
CONGESTIVE HEART FAILURE	1.32	1.69	0.11	0.77	0.05					
PNEUMONIA/INFLUENZA	1.17	1.36	0.10	0.88	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.55	0.06	0.95	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.17	0.39	0.05	0.42	0.06					
STROKE	0.61	0.90	0.08	0.64	0.06					
HIP FRACTURE	0.74	0.65	0.07	1.15	0.12					
SEPSIS	0.21	0.35	0.05	0.55	0.08					
PROCEDURES:										
ANGIOPLASTY	0.34	0.29	0.05	1.17	0.19					
CORONARY ARTERY BYPASS GRAFT	0.43	0.39	0.05	1.08	0.15					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.04	0.89	0.18					
CAROTID ENDARTERECTOMY	0.11	0.13	0.03	0.90	0.22					
HIP REPLACEMENT/RECONSTRUCTION	0.60	0.48	0.06	1.26	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.31	0.05	0.76	0.12					
PROSTATECTOMY	0.84	0.73	0.07	1.10	0.11					
CHOLECYSTECTOMY	0.44	0.47	0.06	0.94	0.12					
HYSTERECTOMY	0.16	0.18	0.04	0.90	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

LOUISVILLE, KY-IN (4520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	33,849	8.8	8.7	0.3	13.8	13.4	0.4	17.2	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	799	27.4	24.4	2.1	31.4	27.3	2.2	32.9	30.0	2.0
CONGESTIVE HEART FAILURE	1,618	12.9	13.9	1.0	22.1	22.3	1.0	28.3	28.5	1.4
PNEUMONIA/INFLUENZA	1,660	14.5	15.1	1.0	21.4	20.9	1.1	26.1	24.7	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	578	7.6	6.5	1.7	14.2	11.7	2.4	18.3	15.9	2.4
TRANSIENT CEREBRAL ISCHEMIA	559	1.6	1.7	0.7	3.0	3.7	1.0	5.4	6.1	1.3
STROKE	1,097	19.7	18.7	1.4	26.6	24.9	1.8	29.8	28.6	1.7
HIP FRACTURE	788	7.2	6.4	1.3	11.9	11.3	1.3	13.7	14.7	1.5
SEPSIS	436	29.4	24.9	3.2	36.7	32.6	3.1	40.8	37.2	2.9
PROCEDURES:										
ANGIOPLASTY	358	0.8	2.0	1.0	1.7	2.8	1.1	2.2	3.6	1.2
CORONARY ARTERY BYPASS GRAFT	570	7.4	5.8	1.3	8.6	8.3	1.2	10.5	9.5	1.5
INITIAL PACEMAKER INSERTION	295	3.1	3.2	1.2	6.4	6.2	1.4	7.8	9.0	2.8
CAROTID ENDARTERECTOMY	178	2.2	1.4	1.2	3.9	2.6	1.8	6.2	3.7	2.9
HIP REPLACEMENT/RECONSTRUCTION	596	3.2	3.2	1.0	5.4	6.0	1.3	7.0	8.1	1.5
OPEN REDUCTION OF HIP FRACTURE	334	8.1	6.2	2.4	12.9	11.0	2.4	14.1	14.5	2.3
PROSTATECTOMY	788	1.3	1.1	0.4	2.5	2.6	1.0	5.5	4.4	1.1
CHOLECYSTECTOMY	677	3.5	2.4	1.3	6.2	4.5	1.8	7.8	6.0	1.9
HYSTERECTOMY	285	0.7	0.8	0.7	1.1	1.7	0.9	2.8	2.6	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 141,167

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.44	30.43	0.15	1.10	0.00	5.02	4.71	0.06	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.93	0.03	0.82	0.02					
CONGESTIVE HEART FAILURE	2.05	1.92	0.04	1.07	0.02					
PNEUMONIA/INFLUENZA	1.76	1.46	0.03	1.20	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.65	0.02	1.12	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.44	0.02	1.11	0.04					
STROKE	1.00	0.98	0.03	1.03	0.03					
HIP FRACTURE	0.68	0.61	0.02	1.13	0.04					
SEPSIS	0.48	0.39	0.02	1.25	0.05					
PROCEDURES:										
ANGIOPLASTY	0.25	0.28	0.01	0.89	0.05					
CORONARY ARTERY BYPASS GRAFT	0.46	0.39	0.02	1.18	0.05					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.01	1.27	0.08					
CAROTID ENDARTERECTOMY	0.13	0.13	0.01	0.99	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.43	0.02	1.08	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.03	0.05					
PROSTATECTOMY	0.62	0.69	0.02	0.90	0.03					
CHOLECYSTECTOMY	0.53	0.48	0.02	1.12	0.04					
HYSTERECTOMY	0.21	0.18	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

MUNCIE, IN (5280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	4,117	9.9	8.2	0.6	15.1	12.6	0.7	19.0	16.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	139	30.2	23.2	5.7	34.5	26.1	6.2	36.7	29.0	5.9
CONGESTIVE HEART FAILURE	224	14.7	12.9	3.9	24.1	21.1	4.9	31.7	27.2	5.9
PNEUMONIA/INFLUENZA	202	16.8	12.0	3.2	23.8	16.8	4.4	27.7	20.2	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	84	10.7	7.2	5.6	17.9	12.8	6.8	22.6	17.3	7.2
TRANSIENT CEREBRAL ISCHEMIA	42	2.4	1.8	*	4.8	4.1	*	4.8	6.7	*
STROKE	156	21.2	16.6	4.8	29.5	22.1	5.9	33.3	25.7	5.7
HIP FRACTURE	123	12.2	5.9	3.4	16.3	10.7	3.7	19.5	14.4	4.8
SEPSIS	34	20.6	23.3	*	35.3	30.6	*	47.1	35.3	*
PROCEDURES:										
ANGIOPLASTY	41	7.3	2.6	*	7.3	3.6	*	7.3	4.6	*
CORONARY ARTERY BYPASS GRAFT	43	9.3	4.6	*	9.3	6.4	*	9.3	7.2	*
INITIAL PACEMAKER INSERTION	23	0.0	3.9	*	4.3	7.3	*	4.3	10.2	*
CAROTID ENDARTERECTOMY	5	0.0	1.5	*	0.0	2.5	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	89	5.6	2.6	3.4	5.6	4.8	3.3	5.6	6.6	4.3
OPEN REDUCTION OF HIP FRACTURE	44	13.6	6.2	*	18.2	11.9	*	27.3	16.3	*
PROSTATECTOMY	167	0.6	1.0	0.9	2.4	2.3	1.4	3.6	4.0	1.6
CHOLECYSTECTOMY	79	5.1	3.6	3.2	8.9	6.7	4.9	11.4	8.8	5.4
HYSTERECTOMY	45	0.0	0.8	*	0.0	1.8	*	0.0	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,386

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.86	31.33	0.42	0.92	0.01	5.04	4.81	0.17	1.05	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.99	0.08	0.94	0.07					
CONGESTIVE HEART FAILURE	1.82	1.95	0.11	0.93	0.05					
PNEUMONIA/INFLUENZA	1.37	1.61	0.10	0.85	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.70	0.71	0.06	0.95	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.46	0.05	0.52	0.06					
STROKE	0.98	0.99	0.08	1.01	0.08					
HIP FRACTURE	0.58	0.64	0.06	0.90	0.09					
SEPSIS	0.30	0.38	0.05	0.78	0.10					
PROCEDURES:										
ANGIOPLASTY	0.36	0.29	0.04	1.23	0.18					
CORONARY ARTERY BYPASS GRAFT	0.33	0.39	0.05	0.84	0.11					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.03	0.78	0.14					
CAROTID ENDARTERECTOMY	0.03	0.14	0.03	0.11	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.44	0.05	1.09	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.30	0.04	0.62	0.09					
PROSTATECTOMY	0.87	0.69	0.06	1.23	0.11					
CHOLECYSTECTOMY	0.44	0.51	0.05	0.84	0.09					
HYSTERECTOMY	0.20	0.18	0.03	1.16	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH BEND-MISHAWAKA, IN (7800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,410	10.0	9.2	0.4	15.1	13.9	0.5	18.7	17.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	243	25.5	27.5	4.2	27.2	30.3	4.6	31.3	33.1	5.2
CONGESTIVE HEART FAILURE	445	16.2	14.0	3.1	25.4	22.2	3.1	31.2	28.4	3.1
PNEUMONIA/INFLUENZA	366	15.8	14.6	2.4	22.4	20.1	2.9	25.7	23.9	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	121	10.7	8.3	3.3	14.9	14.7	4.9	20.7	19.3	5.3
TRANSIENT CEREBRAL ISCHEMIA	67	0.0	2.2	2.6	4.5	4.9	3.5	7.5	7.7	4.1
STROKE	321	23.7	21.0	3.5	29.3	27.0	3.5	34.3	30.7	4.3
HIP FRACTURE	227	6.6	6.2	1.7	11.0	11.0	2.1	15.0	14.3	2.4
SEPSIS	83	24.1	28.7	7.6	30.1	36.1	9.6	33.7	40.9	9.4
PROCEDURES:										
ANGIOPLASTY	104	3.8	3.4	2.0	5.8	4.3	2.6	8.7	5.2	3.8
CORONARY ARTERY BYPASS GRAFT	254	3.1	5.1	1.8	3.9	7.2	2.3	4.3	8.3	2.4
INITIAL PACEMAKER INSERTION	85	0.0	3.4	2.5	2.4	6.2	3.2	2.4	8.8	4.1
CAROTID ENDARTERECTOMY	43	0.0	1.1	*	2.3	2.1	*	4.7	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	230	4.3	2.9	2.4	7.8	5.5	3.1	9.1	7.5	3.4
OPEN REDUCTION OF HIP FRACTURE	90	8.9	6.4	3.3	12.2	11.6	3.4	20.0	15.1	4.7
PROSTATECTOMY	152	0.0	0.9	1.0	0.7	2.1	1.4	0.7	3.6	2.1
CHOLECYSTECTOMY	180	3.9	3.2	1.5	5.6	5.6	2.0	6.7	7.1	2.3
HYSTERECTOMY	66	0.0	0.7	1.2	0.0	1.6	2.1	0.0	2.5	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 40,548

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.38	28.76	0.27	0.88	0.01	4.85	4.71	0.11	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.91	0.05	0.78	0.04					
CONGESTIVE HEART FAILURE	1.61	1.79	0.07	0.90	0.03					
PNEUMONIA/INFLUENZA	1.26	1.32	0.06	0.97	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.54	0.04	0.91	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.40	0.03	0.53	0.04					
STROKE	0.92	0.95	0.05	0.96	0.05					
HIP FRACTURE	0.61	0.64	0.04	0.96	0.06					
SEPSIS	0.34	0.38	0.03	0.92	0.08					
PROCEDURES:										
ANGIOPLASTY	0.24	0.29	0.03	0.78	0.07					
CORONARY ARTERY BYPASS GRAFT	0.45	0.39	0.03	1.16	0.09					
INITIAL PACEMAKER INSERTION	0.28	0.21	0.02	1.27	0.14					
CAROTID ENDARTERECTOMY	0.10	0.12	0.02	0.95	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.46	0.03	1.17	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.31	0.03	0.82	0.07					
PROSTATECTOMY	0.42	0.74	0.04	0.56	0.03					
CHOLECYSTECTOMY	0.44	0.45	0.03	0.98	0.07					
HYSTERECTOMY	0.18	0.18	0.02	1.02	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

TERRE HAUTE, IN (8320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,326	10.4	9.3	0.5	16.1	14.2	0.7	19.8	17.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	193	26.9	25.3	3.6	31.1	28.0	4.5	33.7	30.7	4.7
CONGESTIVE HEART FAILURE	319	17.9	14.5	2.7	29.5	22.9	3.3	35.1	29.0	3.2
PNEUMONIA/INFLUENZA	269	11.9	13.6	2.6	20.1	18.7	2.7	22.3	22.2	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	80	7.5	7.5	3.2	15.0	13.5	5.6	21.2	18.2	7.1
TRANSIENT CEREBRAL ISCHEMIA	77	0.0	2.1	2.6	1.3	4.7	3.9	1.3	7.4	6.2
STROKE	198	25.3	21.1	5.6	29.3	27.1	5.5	32.8	30.8	5.0
HIP FRACTURE	165	10.9	7.1	3.3	16.4	12.5	3.7	19.4	16.4	4.1
SEPSIS	69	26.1	25.6	6.0	34.8	33.9	5.7	37.7	38.9	5.9
PROCEDURES:										
ANGIOPLASTY	110	5.5	3.3	2.7	6.4	4.3	3.3	6.4	5.3	3.7
CORONARY ARTERY BYPASS GRAFT	65	3.1	6.8	3.7	7.7	9.6	3.8	10.8	10.6	3.8
INITIAL PACEMAKER INSERTION	46	2.2	3.0	*	2.2	5.7	*	8.7	8.4	*
CAROTID ENDARTERECTOMY	17	0.0	1.9	*	0.0	3.5	*	0.0	5.0	*
HIP REPLACEMENT/RECONSTRUCTION	70	11.4	4.7	4.5	17.1	8.6	5.5	21.4	11.5	6.1
OPEN REDUCTION OF HIP FRACTURE	84	10.7	6.1	4.3	14.3	11.3	4.8	15.5	15.3	6.3
PROSTATECTOMY	142	0.7	0.8	0.8	2.1	1.9	1.2	4.2	3.3	1.7
CHOLECYSTECTOMY	133	3.0	2.4	1.5	5.3	4.4	2.7	9.0	6.0	3.7
HYSTERECTOMY	58	0.0	0.4	0.9	0.0	0.9	1.5	1.7	1.5	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,532

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.25	31.08	0.36	0.94	0.01	5.24	4.88	0.14	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	1.00	0.06	0.93	0.06					
CONGESTIVE HEART FAILURE	2.05	1.93	0.09	1.04	0.05					
PNEUMONIA/INFLUENZA	1.34	1.58	0.08	0.84	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.65	0.05	0.84	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.45	0.04	0.80	0.08					
STROKE	0.99	0.99	0.06	0.99	0.07					
HIP FRACTURE	0.76	0.69	0.05	1.08	0.09					
SEPSIS	0.44	0.37	0.04	1.24	0.14					
PROCEDURES:										
ANGIOPLASTY	0.50	0.28	0.03	1.79	0.23					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.04	1.07	0.12					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.03	0.85	0.13					
CAROTID ENDARTERECTOMY	0.10	0.13	0.02	0.86	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.47	0.04	0.91	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.32	0.04	1.08	0.13					
PROSTATECTOMY	0.60	0.69	0.05	0.82	0.07					
CHOLECYSTECTOMY	0.57	0.50	0.05	1.13	0.11					
HYSTERECTOMY	0.22	0.19	0.03	1.13	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

IN-(NONMSA) (99IN)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	39,312	10.3	9.3	0.2	15.0	14.0	0.4	18.5	17.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,337	32.3	27.5	1.4	36.1	30.7	2.0	39.6	33.6	2.3
CONGESTIVE HEART FAILURE	2,610	15.9	14.2	1.2	24.6	22.5	1.0	30.4	28.7	1.1
PNEUMONIA/INFLUENZA	3,015	14.3	14.6	0.8	19.8	20.1	1.4	23.3	23.9	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	813	5.5	6.5	1.7	11.4	11.6	2.4	15.3	15.7	2.0
TRANSIENT CEREBRAL ISCHEMIA	612	1.5	1.7	0.8	3.1	3.9	1.2	6.4	6.5	1.3
STROKE	1,595	22.6	19.5	1.4	30.0	25.8	1.7	33.9	29.8	1.7
HIP FRACTURE	1,107	7.5	6.5	1.3	12.6	11.5	1.4	16.2	15.0	1.5
SEPSIS	515	23.1	26.1	2.3	31.7	33.5	2.7	38.6	38.2	3.1
PROCEDURES:										
ANGIOPLASTY	1	0.0	11.0	*	0.0	12.4	*	0.0	13.7	*
CORONARY ARTERY BYPASS GRAFT	1	0.0	1.8	*	0.0	3.5	*	0.0	4.9	*
INITIAL PACEMAKER INSERTION	160	3.1	3.2	1.4	5.6	6.2	2.0	8.7	8.9	2.3
CAROTID ENDARTERECTOMY	43	4.7	1.6	*	7.0	3.0	*	7.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	626	4.8	3.8	1.1	8.9	7.0	1.7	10.9	9.5	1.7
OPEN REDUCTION OF HIP FRACTURE	554	6.5	6.1	1.1	11.2	11.1	1.4	14.8	14.7	2.0
PROSTATECTOMY	1,073	1.2	1.0	0.5	3.0	2.4	1.0	4.2	4.1	0.9
CHOLECYSTECTOMY	838	2.9	2.4	0.7	4.3	4.4	0.7	5.7	6.0	0.9
HYSTERECTOMY	324	0.9	0.5	0.8	1.9	1.1	1.4	2.5	1.8	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 279,067

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.14	29.72	0.10	1.05	0.00	4.82	4.67	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.10	0.98	0.02	1.12	0.02					
CONGESTIVE HEART FAILURE	2.07	1.78	0.03	1.16	0.02					
PNEUMONIA/INFLUENZA	1.84	1.53	0.02	1.21	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.63	0.02	0.98	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.41	0.01	**	**					
STROKE	1.02	0.94	0.02	1.09	0.02					
HIP FRACTURE	0.66	0.64	0.01	1.03	0.02					
SEPSIS	0.36	0.35	0.01	1.04	0.04					
PROCEDURES:										
ANGIOPLASTY	0.39	0.29	0.01	1.30	0.05					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.01	1.04	0.03					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.92	0.04					
CAROTID ENDARTERECTOMY	0.12	0.14	0.01	0.82	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.01	1.04	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.01	1.08	0.04					
PROSTATECTOMY	0.72	0.76	0.02	0.95	0.02					
CHOLECYSTECTOMY	0.53	0.51	0.01	1.04	0.03					
HYSTERECTOMY	0.20	0.19	0.01	1.09	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

KANSAS CITY, MO-KS (3760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	45,476	8.4	8.8	0.2	13.2	13.4	0.2	16.7	16.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,333	21.4	25.7	2.2	26.5	28.6	2.3	28.4	31.3	2.0
CONGESTIVE HEART FAILURE	2,150	13.9	14.2	0.9	20.8	22.5	1.7	26.8	28.6	2.0
PNEUMONIA/INFLUENZA	2,231	14.7	15.6	1.2	21.2	21.5	1.1	25.9	25.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	977	6.1	6.8	0.9	12.1	12.3	1.3	19.1	16.5	2.1
TRANSIENT CEREBRAL ISCHEMIA	647	1.2	1.8	1.0	3.6	4.0	1.3	6.2	6.5	1.3
STROKE	1,585	16.7	19.5	1.5	22.3	25.7	1.8	26.8	29.5	1.8
HIP FRACTURE	1,256	5.9	6.6	1.0	11.1	11.7	1.3	14.5	15.3	1.4
SEPSIS	521	24.8	25.1	2.5	34.4	33.4	2.2	40.1	38.2	2.7
PROCEDURES:										
ANGIOPLASTY	1,058	3.3	3.5	0.6	5.0	4.5	0.8	6.2	5.4	0.9
CORONARY ARTERY BYPASS GRAFT	662	6.5	5.2	1.1	7.9	7.3	1.1	9.4	8.3	1.4
INITIAL PACEMAKER INSERTION	311	1.9	3.1	1.2	4.8	6.4	2.1	6.4	9.3	2.6
CAROTID ENDARTERECTOMY	275	1.5	1.7	0.9	2.9	3.1	1.0	4.7	4.4	1.3
HIP REPLACEMENT/RECONSTRUCTION	945	3.4	3.4	0.6	5.9	6.3	1.1	7.7	8.4	1.4
OPEN REDUCTION OF HIP FRACTURE	593	5.4	6.2	1.2	11.5	11.3	1.4	15.0	15.1	1.5
PROSTATECTOMY	1,481	0.6	0.9	0.4	2.3	2.2	0.4	3.8	3.8	0.5
CHOLECYSTECTOMY	779	4.6	2.7	0.9	7.6	4.8	1.2	9.2	6.4	1.3
HYSTERECTOMY	395	1.0	0.8	0.8	2.0	1.9	1.3	2.3	3.0	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 205,503

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.05	28.43	0.12	1.09	0.00	4.81	4.75	0.05	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.87	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.87	1.76	0.03	1.05	0.02					
PNEUMONIA/INFLUENZA	1.63	1.30	0.02	1.25	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.80	0.52	0.02	1.53	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.39	0.01	1.06	0.04					
STROKE	1.02	0.94	0.02	1.08	0.02					
HIP FRACTURE	0.77	0.62	0.02	1.23	0.03					
SEPSIS	0.41	0.38	0.01	1.06	0.04					
PROCEDURES:										
ANGIOPLASTY	0.51	0.26	0.01	1.92	0.09					
CORONARY ARTERY BYPASS GRAFT	0.36	0.36	0.01	0.96	0.04					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.93	0.05					
CAROTID ENDARTERECTOMY	0.14	0.11	0.01	1.30	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.45	0.01	1.12	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.01	1.22	0.05					
PROSTATECTOMY	0.79	0.71	0.02	1.12	0.03					
CHOLECYSTECTOMY	0.44	0.42	0.01	1.03	0.04					
HYSTERECTOMY	0.19	0.18	0.01	1.10	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

LAWRENCE, KS (4150)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,407	9.1	7.8	1.1	13.1	12.0	1.1	15.8	15.2	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	26	26.9	25.8	*	30.8	28.4	*	30.8	31.0	*
CONGESTIVE HEART FAILURE	68	14.7	13.9	4.4	23.5	21.7	5.7	29.4	27.9	5.6
PNEUMONIA/INFLUENZA	61	19.7	12.2	7.2	21.3	16.8	8.5	27.9	19.9	9.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	27	0.0	4.7	*	3.7	8.9	*	3.7	12.5	*
TRANSIENT CEREBRAL ISCHEMIA	26	0.0	2.8	*	3.8	6.6	*	3.8	10.5	*
STROKE	40	20.0	21.3	*	25.0	28.2	*	32.5	32.3	*
HIP FRACTURE	45	4.4	7.5	*	4.4	13.3	*	6.7	17.2	*
SEPSIS	18	16.7	23.0	*	33.3	32.3	*	33.3	37.5	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	12	0.0	2.1	*	8.3	4.7	*	8.3	7.3	*
CAROTID ENDARTERECTOMY	2	0.0	1.3	*	0.0	2.0	*	0.0	2.9	*
HIP REPLACEMENT/RECONSTRUCTION	47	2.1	2.5	*	2.1	4.5	*	4.3	6.2	*
OPEN REDUCTION OF HIP FRACTURE	20	5.0	7.4	*	5.0	13.7	*	5.0	18.0	*
PROSTATECTOMY	55	0.0	0.9	1.4	1.8	2.1	2.2	3.6	3.6	3.6
CHOLECYSTECTOMY	28	3.6	1.3	*	3.6	2.4	*	3.6	3.2	*
HYSTERECTOMY	9	0.0	0.5	*	0.0	1.3	*	0.0	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 7,343

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.08	27.96	0.62	1.08	0.02	4.41	4.93	0.26	0.90	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.88	0.11	1.05	0.13					
CONGESTIVE HEART FAILURE	1.38	1.68	0.15	0.82	0.07					
PNEUMONIA/INFLUENZA	1.03	1.42	0.14	0.72	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.52	0.09	1.16	0.19					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.34	0.07	1.10	0.23					
STROKE	0.78	0.93	0.11	0.85	0.10					
HIP FRACTURE	0.69	0.67	0.10	1.12	0.16					
SEPSIS	0.42	0.36	0.07	1.14	0.23					
PROCEDURES:										
ANGIOPLASTY	0.82	0.26	0.06	3.10	0.77					
CORONARY ARTERY BYPASS GRAFT	0.44	0.34	0.07	1.23	0.26					
INITIAL PACEMAKER INSERTION	0.26	0.19	0.05	1.46	0.44					
CAROTID ENDARTERECTOMY	0.16	0.10	0.04	1.17	0.57					
HIP REPLACEMENT/RECONSTRUCTION	0.64	0.46	0.08	1.36	0.24					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.32	0.07	0.99	0.22					
PROSTATECTOMY	0.79	0.70	0.10	1.15	0.16					
CHOLECYSTECTOMY	0.46	0.43	0.08	1.09	0.20					
HYSTERECTOMY	0.20	0.18	0.05	1.02	0.33					

** QUANTITIES COULD NOT BE ESTIMATED

TOPEKA, KS (8440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,115	9.3	8.7	0.4	13.7	13.3	0.6	16.5	16.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	206	24.3	26.4	4.8	27.2	29.3	5.2	29.1	31.8	5.9
CONGESTIVE HEART FAILURE	237	17.3	14.1	4.2	24.5	22.1	4.3	30.4	28.1	4.6
PNEUMONIA/INFLUENZA	154	16.9	13.9	5.1	24.7	19.3	6.4	27.9	23.1	6.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	53	3.8	6.0	3.6	11.3	10.3	4.4	17.0	14.1	5.4
TRANSIENT CEREBRAL ISCHEMIA	58	3.4	1.8	2.3	12.1	4.1	5.0	15.5	6.6	5.9
STROKE	203	22.7	21.3	3.1	27.1	28.3	3.6	31.0	32.2	4.4
HIP FRACTURE	257	5.1	6.6	2.0	12.1	11.8	2.2	17.5	15.3	2.8
SEPSIS	50	22.0	21.7	*	26.0	29.0	*	28.0	33.5	*
PROCEDURES:										
ANGIOPLASTY	209	4.8	3.4	1.8	5.7	4.4	2.0	6.7	5.4	2.2
CORONARY ARTERY BYPASS GRAFT	165	7.3	6.4	2.4	10.9	8.9	3.0	11.5	9.9	2.9
INITIAL PACEMAKER INSERTION	61	8.2	4.0	4.3	11.5	7.2	4.6	11.5	9.9	4.0
CAROTID ENDARTERECTOMY	69	1.4	1.9	1.7	2.9	3.4	2.5	2.9	4.9	3.1
HIP REPLACEMENT/RECONSTRUCTION	235	2.6	2.8	1.4	5.1	5.2	1.8	8.1	7.0	2.1
OPEN REDUCTION OF HIP FRACTURE	145	2.8	6.0	2.8	8.3	11.1	3.3	13.8	14.6	3.1
PROSTATECTOMY	266	2.3	1.0	1.0	3.8	2.4	1.5	4.1	4.0	1.3
CHOLECYSTECTOMY	138	2.2	2.3	1.4	2.9	4.2	2.3	4.3	5.6	3.0
HYSTERECTOMY	65	0.0	1.0	1.6	0.0	2.3	2.8	4.6	3.6	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,882

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.99	28.91	0.34	0.80	0.01	4.73	5.12	0.14	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.61	0.88	0.06	0.69	0.05					
CONGESTIVE HEART FAILURE	1.17	1.78	0.08	0.66	0.03					
PNEUMONIA/INFLUENZA	0.69	1.43	0.08	0.48	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.28	0.55	0.05	0.51	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.37	0.04	0.58	0.06					
STROKE	0.78	0.94	0.06	0.83	0.05					
HIP FRACTURE	0.88	0.69	0.05	1.27	0.10					
SEPSIS	0.20	0.39	0.04	0.51	0.05					
PROCEDURES:										
ANGIOPLASTY	0.41	0.28	0.03	1.45	0.17					
CORONARY ARTERY BYPASS GRAFT	0.40	0.35	0.04	1.14	0.12					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.03	0.96	0.14					
CAROTID ENDARTERECTOMY	0.21	0.12	0.02	1.72	0.31					
HIP REPLACEMENT/RECONSTRUCTION	0.65	0.47	0.04	1.38	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.51	0.34	0.04	1.49	0.16					
PROSTATECTOMY	0.90	0.68	0.05	1.32	0.10					
CHOLECYSTECTOMY	0.47	0.43	0.04	1.09	0.11					
HYSTERECTOMY	0.22	0.17	0.03	1.26	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

WICHITA, KS (9040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	16,529	8.2	7.9	0.3	12.1	12.1	0.3	15.0	15.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	558	22.4	24.3	2.0	25.3	27.4	2.4	26.7	30.0	2.6
CONGESTIVE HEART FAILURE	669	16.9	14.6	2.2	24.7	23.3	1.9	30.8	29.6	1.9
PNEUMONIA/INFLUENZA	581	15.7	15.5	1.5	21.2	21.5	1.8	26.7	25.4	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	205	12.2	7.4	3.0	19.0	13.1	3.9	23.9	17.5	4.4
TRANSIENT CEREBRAL ISCHEMIA	194	1.5	2.0	1.1	3.6	4.5	1.7	5.7	7.3	2.5
STROKE	467	21.0	20.5	2.3	29.6	27.1	3.1	33.0	31.1	3.0
HIP FRACTURE	438	9.8	6.8	2.5	12.3	12.2	2.8	17.1	15.9	2.1
SEPSIS	190	23.7	26.9	3.6	31.1	35.7	5.1	35.3	41.0	5.1
PROCEDURES:										
ANGIOPLASTY	461	2.6	2.8	0.8	3.5	3.7	0.9	4.6	4.6	1.0
CORONARY ARTERY BYPASS GRAFT	575	4.5	5.5	1.8	6.6	7.7	2.5	7.1	8.7	2.7
INITIAL PACEMAKER INSERTION	234	1.7	2.7	1.4	4.7	5.4	1.7	8.1	8.0	2.0
CAROTID ENDARTERECTOMY	229	1.3	1.6	0.8	2.2	3.0	1.2	3.1	4.4	1.6
HIP REPLACEMENT/RECONSTRUCTION	476	3.4	2.7	1.1	5.3	5.0	1.3	6.7	6.8	1.3
OPEN REDUCTION OF HIP FRACTURE	224	9.8	6.0	3.2	12.5	11.0	3.6	16.1	14.7	3.3
PROSTATECTOMY	550	1.8	1.0	0.8	3.5	2.2	1.3	3.8	3.8	0.8
CHOLECYSTECTOMY	289	3.5	2.7	1.8	5.2	5.0	2.6	7.6	6.6	2.6
HYSTERECTOMY	139	0.7	0.7	0.9	0.7	1.7	1.3	2.2	2.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 65,257

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.36	28.14	0.21	0.94	0.01	4.74	4.70	0.08	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.90	0.04	0.83	0.03					
CONGESTIVE HEART FAILURE	1.43	1.72	0.05	0.83	0.02					
PNEUMONIA/INFLUENZA	1.18	1.32	0.04	0.90	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.53	0.03	0.88	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.38	0.02	0.87	0.06					
STROKE	0.87	0.92	0.04	0.95	0.04					
HIP FRACTURE	0.68	0.63	0.03	1.07	0.05					
SEPSIS	0.41	0.36	0.02	1.11	0.07					
PROCEDURES:										
ANGIOPLASTY	0.41	0.28	0.02	1.48	0.11					
CORONARY ARTERY BYPASS GRAFT	0.46	0.38	0.02	1.18	0.08					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.15	0.11					
CAROTID ENDARTERECTOMY	0.21	0.12	0.01	1.72	0.22					
HIP REPLACEMENT/RECONSTRUCTION	0.55	0.46	0.03	1.19	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.30	0.02	1.11	0.08					
PROSTATECTOMY	0.71	0.73	0.03	0.95	0.04					
CHOLECYSTECTOMY	0.40	0.45	0.03	0.87	0.05					
HYSTERECTOMY	0.18	0.18	0.02	0.99	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

KS-(NONMSA) (99KS)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	36,021	9.8	9.5	0.2	14.4	14.4	0.4	17.6	17.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,103	32.9	28.5	1.4	37.4	31.9	2.3	39.7	34.9	1.8
CONGESTIVE HEART FAILURE	1,886	16.1	15.5	1.1	24.7	24.3	1.1	31.4	30.8	1.3
PNEUMONIA/INFLUENZA	3,105	14.8	15.3	0.7	20.3	21.1	0.9	23.3	25.0	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	548	8.4	7.8	1.2	12.8	13.8	1.6	15.9	18.5	2.2
TRANSIENT CEREBRAL ISCHEMIA	516	1.7	1.8	0.6	3.5	4.1	1.1	6.0	6.9	1.8
STROKE	1,389	22.5	19.9	1.8	29.2	26.5	1.5	34.1	30.5	1.8
HIP FRACTURE	1,026	6.8	6.7	1.0	10.5	11.9	1.5	13.5	15.7	1.7
SEPSIS	421	20.2	25.4	2.7	28.7	33.5	3.5	33.5	38.4	4.1
PROCEDURES:										
ANGIOPLASTY	1	0.0	1.1	*	0.0	1.8	*	0.0	2.7	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	135	3.0	4.1	2.1	6.7	7.8	2.7	14.1	11.0	3.1
CAROTID ENDARTERECTOMY	103	4.9	1.4	1.9	5.8	2.6	2.3	9.7	3.9	3.0
HIP REPLACEMENT/RECONSTRUCTION	650	2.9	3.7	1.0	5.7	7.0	1.7	6.8	9.5	1.8
OPEN REDUCTION OF HIP FRACTURE	360	8.6	6.0	2.3	10.8	11.2	1.8	13.9	15.0	2.2
PROSTATECTOMY	1,204	0.9	0.9	0.3	1.9	2.0	0.7	3.7	3.5	1.0
CHOLECYSTECTOMY	673	3.9	2.5	0.8	4.9	4.6	0.8	5.9	6.2	1.0
HYSTERECTOMY	308	0.6	0.5	0.6	0.6	1.2	0.7	1.6	1.9	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 213,523

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.20	29.95	0.12	1.14	0.00	4.92	5.01	0.05	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.19	1.00	0.02	1.19	0.03					
CONGESTIVE HEART FAILURE	1.94	1.78	0.03	1.09	0.02					
PNEUMONIA/INFLUENZA	2.29	1.64	0.03	1.40	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.56	0.02	1.01	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.39	0.01	1.04	0.04					
STROKE	1.05	0.99	0.02	1.08	0.02					
HIP FRACTURE	0.83	0.73	0.02	1.11	0.03					
SEPSIS	0.37	0.36	0.01	1.04	0.04					
PROCEDURES:										
ANGIOPLASTY	0.42	0.27	0.01	1.58	0.08					
CORONARY ARTERY BYPASS GRAFT	0.44	0.38	0.01	1.15	0.05					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.16	0.07					
CAROTID ENDARTERECTOMY	0.20	0.12	0.01	1.68	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.64	0.54	0.02	1.14	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.33	0.01	0.89	0.04					
PROSTATECTOMY	0.97	0.82	0.02	1.18	0.03					
CHOLECYSTECTOMY	0.55	0.50	0.01	1.09	0.04					
HYSTERECTOMY	0.22	0.19	0.01	1.18	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

CINCINNATI, OH-KY-IN (1640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	43,041	8.6	9.0	0.2	13.6	13.8	0.3	16.9	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,190	25.3	25.6	1.3	28.5	28.6	1.4	30.8	31.2	1.6
CONGESTIVE HEART FAILURE	2,224	14.6	14.4	0.9	22.8	22.7	0.9	29.1	28.9	1.2
PNEUMONIA/INFLUENZA	2,459	15.5	16.9	1.2	21.8	23.0	1.6	26.5	27.0	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	838	8.6	7.3	1.4	14.0	12.9	2.1	19.2	17.3	2.1
TRANSIENT CEREBRAL ISCHEMIA	711	1.4	1.8	0.6	3.8	4.0	0.8	6.2	6.4	0.9
STROKE	1,486	17.6	20.0	1.6	24.5	26.6	1.7	28.2	30.4	1.7
HIP FRACTURE	1,009	5.9	6.6	1.3	9.1	11.7	1.5	11.8	15.2	1.7
SEPSIS	471	22.5	26.1	2.5	33.5	34.0	2.4	38.0	38.7	2.4
PROCEDURES:										
ANGIOPLASTY	457	2.0	2.5	0.8	3.3	3.5	0.9	3.3	4.4	1.1
CORONARY ARTERY BYPASS GRAFT	648	2.9	5.3	1.4	4.2	7.3	1.4	5.4	8.3	1.4
INITIAL PACEMAKER INSERTION	412	3.2	3.5	1.5	7.0	6.7	2.1	8.7	9.6	2.0
CAROTID ENDARTERECTOMY	259	2.7	1.4	1.3	3.9	2.6	1.4	5.0	3.8	1.5
HIP REPLACEMENT/RECONSTRUCTION	720	2.4	3.5	1.0	4.6	6.4	1.4	6.4	8.7	1.6
OPEN REDUCTION OF HIP FRACTURE	339	6.5	6.1	1.8	9.4	11.3	2.5	12.4	15.0	3.5
PROSTATECTOMY	1,182	0.6	1.0	0.5	2.8	2.4	0.7	4.0	4.1	0.6
CHOLECYSTECTOMY	798	2.3	2.9	0.7	6.0	5.3	1.1	8.1	7.0	1.3
HYSTERECTOMY	346	0.0	0.7	0.5	1.2	1.5	1.0	1.2	2.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 202,834

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.37	28.89	0.12	1.09	0.00	4.93	4.75	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.87	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	2.00	1.81	0.03	1.10	0.02					
PNEUMONIA/INFLUENZA	1.80	1.30	0.02	1.38	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.56	0.02	1.30	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.40	0.01	1.15	0.04					
STROKE	1.01	0.95	0.02	1.06	0.02					
HIP FRACTURE	0.65	0.61	0.02	1.07	0.03					
SEPSIS	0.37	0.39	0.01	0.94	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.27	0.01	1.02	0.04					
CORONARY ARTERY BYPASS GRAFT	0.44	0.37	0.01	1.19	0.04					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.41	0.07					
CAROTID ENDARTERECTOMY	0.18	0.12	0.01	1.52	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.43	0.01	0.97	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.01	0.79	0.03					
PROSTATECTOMY	0.70	0.68	0.02	1.01	0.03					
CHOLECYSTECTOMY	0.49	0.43	0.01	1.14	0.04					
HYSTERECTOMY	0.20	0.18	0.01	1.15	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

CLARKSVILLE-HOPKINSVILL, TN-KY (1660)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,165	10.5	9.2	0.7	16.2	14.0	1.0	19.7	17.6	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	102	28.4	27.3	5.0	35.3	30.2	6.2	37.3	33.0	5.9
CONGESTIVE HEART FAILURE	137	12.4	14.1	3.6	21.9	22.5	3.6	27.7	28.5	4.0
PNEUMONIA/INFLUENZA	210	14.3	15.3	3.1	21.9	21.2	4.3	25.2	25.0	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	76	6.6	6.0	2.9	10.5	11.2	4.4	13.2	15.5	6.3
TRANSIENT CEREBRAL ISCHEMIA	36	0.0	1.6	*	2.8	3.8	*	2.8	6.2	*
STROKE	153	19.6	18.6	3.4	28.8	25.0	4.7	30.7	28.8	4.2
HIP FRACTURE	101	10.9	6.7	4.9	15.8	11.6	5.9	18.8	14.9	6.0
SEPSIS	48	25.0	28.3	*	41.7	37.4	*	47.9	42.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	17	5.9	2.5	*	5.9	5.3	*	5.9	7.8	*
CAROTID ENDARTERECTOMY	9	0.0	1.6	*	11.1	2.8	*	11.1	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	46	6.5	4.0	*	13.0	7.5	*	17.4	10.1	*
OPEN REDUCTION OF HIP FRACTURE	62	12.9	6.5	7.3	16.1	11.8	8.4	19.4	15.4	7.8
PROSTATECTOMY	179	0.0	0.9	1.3	1.7	2.2	1.6	2.8	3.7	2.5
CHOLECYSTECTOMY	110	6.4	3.2	2.7	9.1	6.3	3.2	10.9	8.6	3.9
HYSTERECTOMY	43	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,633

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.84	31.48	0.43	0.95	0.01	4.80	4.86	0.17	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.93	0.07	1.10	0.09					
CONGESTIVE HEART FAILURE	1.55	1.95	0.11	0.81	0.04					
PNEUMONIA/INFLUENZA	1.68	1.54	0.10	1.10	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.65	0.06	1.02	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.44	0.05	0.80	0.10					
STROKE	1.10	1.06	0.08	1.02	0.08					
HIP FRACTURE	0.61	0.58	0.06	1.06	0.11					
SEPSIS	0.43	0.43	0.05	0.97	0.12					
PROCEDURES:										
ANGIOPLASTY	0.19	0.28	0.04	0.63	0.10					
CORONARY ARTERY BYPASS GRAFT	0.24	0.38	0.05	0.63	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.04	0.98	0.18					
CAROTID ENDARTERECTOMY	0.16	0.13	0.03	1.19	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.39	0.05	1.05	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.29	0.04	1.21	0.19					
PROSTATECTOMY	0.87	0.72	0.07	1.21	0.11					
CHOLECYSTECTOMY	0.72	0.48	0.05	1.56	0.18					
HYSTERECTOMY	0.23	0.17	0.03	1.31	0.27					

** QUANTITIES COULD NOT BE ESTIMATED

EVANSVILLE, IN-KY (2440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,668	8.7	8.3	0.3	13.2	12.7	0.4	16.6	15.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	387	26.1	25.0	2.3	29.2	27.8	2.5	31.0	30.4	2.4
CONGESTIVE HEART FAILURE	531	15.8	14.1	1.8	24.9	22.4	2.5	32.0	28.5	2.7
PNEUMONIA/INFLUENZA	598	14.0	14.9	1.6	19.6	20.6	2.0	25.4	24.4	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	193	4.1	5.5	2.0	8.3	10.4	3.2	11.4	14.5	4.2
TRANSIENT CEREBRAL ISCHEMIA	198	2.5	1.6	1.2	3.5	3.6	1.4	5.6	6.0	1.9
STROKE	382	18.6	18.4	2.6	25.7	24.5	2.4	30.4	28.2	2.9
HIP FRACTURE	277	8.7	6.2	3.1	12.6	11.0	3.4	17.3	14.4	3.8
SEPSIS	144	22.2	22.6	3.9	29.2	29.7	5.1	34.7	34.2	4.4
PROCEDURES:										
ANGIOPLASTY	196	3.1	2.9	1.2	4.1	3.7	1.6	4.6	4.5	2.0
CORONARY ARTERY BYPASS GRAFT	243	4.9	4.5	1.4	6.6	6.5	2.0	7.0	7.4	2.3
INITIAL PACEMAKER INSERTION	70	5.7	2.9	2.7	5.7	5.9	3.4	8.6	8.8	3.8
CAROTID ENDARTERECTOMY	93	3.2	1.5	1.8	3.2	2.8	1.8	5.4	4.1	2.4
HIP REPLACEMENT/RECONSTRUCTION	193	3.6	2.7	1.8	5.7	5.0	1.9	7.3	6.8	2.3
OPEN REDUCTION OF HIP FRACTURE	109	8.3	6.3	4.0	11.9	11.5	3.4	16.5	15.2	3.7
PROSTATECTOMY	326	0.9	1.0	0.8	1.5	2.3	1.3	2.5	4.0	2.0
CHOLECYSTECTOMY	283	2.5	2.5	1.1	3.2	4.6	1.7	5.7	6.2	1.7
HYSTERECTOMY	96	0.0	0.4	0.8	1.0	1.0	1.0	2.1	1.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,295

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.67	29.72	0.26	1.00	0.01	4.84	4.76	0.10	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.94	0.05	0.97	0.05					
CONGESTIVE HEART FAILURE	1.79	1.83	0.06	0.98	0.03					
PNEUMONIA/INFLUENZA	1.69	1.45	0.06	1.16	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.60	0.04	1.03	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.45	0.41	0.03	1.09	0.08					
STROKE	0.94	0.96	0.05	0.97	0.05					
HIP FRACTURE	0.63	0.64	0.04	0.97	0.06					
SEPSIS	0.43	0.37	0.03	1.13	0.09					
PROCEDURES:										
ANGIOPLASTY	0.37	0.29	0.02	1.28	0.11					
CORONARY ARTERY BYPASS GRAFT	0.42	0.38	0.03	1.06	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.76	0.08					
CAROTID ENDARTERECTOMY	0.21	0.13	0.02	1.58	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.45	0.03	0.93	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.03	0.79	0.07					
PROSTATECTOMY	0.67	0.70	0.04	0.94	0.05					
CHOLECYSTECTOMY	0.61	0.48	0.03	1.27	0.09					
HYSTERECTOMY	0.17	0.18	0.02	0.93	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

HUNTINGTON-ASHLAND, WV-KY-OH (3400)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,384	9.1	9.0	0.3	13.4	13.3	0.5	16.5	16.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	458	25.3	25.7	2.4	29.5	28.7	2.6	32.1	31.5	2.6
CONGESTIVE HEART FAILURE	513	11.9	14.5	2.2	19.7	22.7	3.1	25.9	28.8	3.0
PNEUMONIA/INFLUENZA	657	16.9	16.2	2.2	24.8	22.3	3.3	29.2	26.3	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	193	7.8	5.7	2.4	11.9	10.5	2.9	15.0	14.5	3.0
TRANSIENT CEREBRAL ISCHEMIA	199	1.5	1.5	0.9	5.0	3.5	1.7	7.5	5.7	2.4
STROKE	411	21.4	20.6	2.7	25.3	26.4	3.2	28.5	30.1	3.0
HIP FRACTURE	263	7.6	6.2	2.5	12.2	11.0	3.7	17.9	14.4	4.5
SEPSIS	147	22.4	28.9	6.9	29.3	36.2	7.4	38.1	40.9	7.7
PROCEDURES:										
ANGIOPLASTY	48	10.4	3.6	*	10.4	4.4	*	10.4	5.2	*
CORONARY ARTERY BYPASS GRAFT	89	6.7	4.9	3.5	9.0	6.6	4.2	11.2	7.6	4.7
INITIAL PACEMAKER INSERTION	63	1.6	2.3	2.3	1.6	4.6	3.6	1.6	6.7	5.0
CAROTID ENDARTERECTOMY	73	1.4	1.1	2.1	4.1	2.1	2.9	5.5	3.3	3.4
HIP REPLACEMENT/RECONSTRUCTION	161	3.1	3.7	1.7	5.6	6.7	2.2	8.1	9.0	2.4
OPEN REDUCTION OF HIP FRACTURE	110	4.5	5.1	2.2	7.3	9.3	3.6	12.7	12.6	3.8
PROSTATECTOMY	287	1.0	1.0	1.0	3.1	2.4	1.5	5.2	4.1	2.0
CHOLECYSTECTOMY	219	3.7	2.6	1.8	5.5	4.8	1.8	7.3	6.5	1.8
HYSTERECTOMY	77	2.6	0.7	2.2	2.6	1.7	1.8	3.9	2.7	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 53,775

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.88	31.73	0.24	1.04	0.01	4.90	4.65	0.09	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.33	1.04	0.04	1.27	0.05					
CONGESTIVE HEART FAILURE	1.84	1.92	0.06	0.96	0.03					
PNEUMONIA/INFLUENZA	1.87	1.74	0.06	1.08	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.79	0.04	0.90	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.47	0.03	1.12	0.07					
STROKE	1.08	0.97	0.04	1.12	0.05					
HIP FRACTURE	0.62	0.62	0.03	1.02	0.06					
SEPSIS	0.45	0.36	0.03	1.31	0.10					
PROCEDURES:										
ANGIOPLASTY	0.18	0.31	0.02	0.52	0.04					
CORONARY ARTERY BYPASS GRAFT	0.34	0.43	0.03	0.78	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	1.00	0.11					
CAROTID ENDARTERECTOMY	0.15	0.16	0.02	1.00	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.45	0.03	0.82	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.02	0.94	0.08					
PROSTATECTOMY	0.63	0.74	0.04	0.85	0.04					
CHOLECYSTECTOMY	0.50	0.56	0.03	0.89	0.05					
HYSTERECTOMY	0.17	0.19	0.02	0.91	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

LEXINGTON-FAYETTE, KY (4280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,470	8.3	8.4	0.3	12.8	13.0	0.4	16.0	16.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	480	22.5	20.8	2.8	26.0	23.9	2.7	29.0	26.6	2.7
CONGESTIVE HEART FAILURE	480	16.7	13.8	2.3	23.1	22.0	2.5	29.2	28.2	2.1
PNEUMONIA/INFLUENZA	619	13.7	14.5	2.7	18.4	20.2	3.3	22.1	24.0	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	181	5.5	7.0	2.1	9.9	12.7	3.4	13.3	17.0	4.2
TRANSIENT CEREBRAL ISCHEMIA	208	2.4	1.6	1.3	5.8	3.7	2.5	8.2	6.1	3.4
STROKE	461	22.1	20.4	3.4	29.5	26.5	3.5	32.5	30.3	3.3
HIP FRACTURE	325	4.0	6.2	1.9	7.1	11.0	2.7	10.5	14.3	3.1
SEPSIS	164	17.7	22.5	5.3	26.2	30.8	6.2	31.7	35.7	5.7
PROCEDURES:										
ANGIOPLASTY	168	6.0	3.8	2.3	7.7	5.0	2.9	8.3	6.1	2.6
CORONARY ARTERY BYPASS GRAFT	358	7.8	5.1	2.0	10.1	7.4	2.2	12.3	8.4	2.6
INITIAL PACEMAKER INSERTION	141	4.3	2.9	2.1	7.1	5.9	3.5	9.9	8.6	4.1
CAROTID ENDARTERECTOMY	82	1.2	1.7	1.6	2.4	3.1	2.8	2.4	4.5	3.7
HIP REPLACEMENT/RECONSTRUCTION	293	3.1	3.1	1.1	4.4	5.7	1.9	5.8	7.6	2.5
OPEN REDUCTION OF HIP FRACTURE	149	2.0	5.3	2.4	6.0	9.7	3.1	8.7	13.0	3.5
PROSTATECTOMY	369	0.5	1.0	0.6	1.6	2.3	0.9	2.7	4.0	1.3
CHOLECYSTECTOMY	295	1.7	2.9	1.1	5.1	5.5	1.4	7.5	7.5	1.6
HYSTERECTOMY	126	0.0	0.8	1.0	0.0	1.7	1.7	0.8	2.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 41,081

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.37	29.65	0.27	0.92	0.01	4.57	4.77	0.11	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.92	0.05	1.03	0.05					
CONGESTIVE HEART FAILURE	1.52	1.84	0.07	0.82	0.03					
PNEUMONIA/INFLUENZA	1.61	1.40	0.06	1.15	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.58	0.04	1.03	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.42	0.03	1.07	0.08					
STROKE	0.93	0.99	0.05	0.94	0.05					
HIP FRACTURE	0.70	0.61	0.04	1.13	0.07					
SEPSIS	0.46	0.39	0.03	1.18	0.09					
PROCEDURES:										
ANGIOPLASTY	0.19	0.27	0.03	0.67	0.07					
CORONARY ARTERY BYPASS GRAFT	0.33	0.37	0.03	0.86	0.07					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.02	1.10	0.13					
CAROTID ENDARTERECTOMY	0.07	0.12	0.02	0.66	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.43	0.03	1.14	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.30	0.03	1.16	0.11					
PROSTATECTOMY	0.61	0.70	0.04	0.87	0.05					
CHOLECYSTECTOMY	0.51	0.45	0.03	1.12	0.08					
HYSTERECTOMY	0.17	0.18	0.02	1.03	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

LOUISVILLE, KY-IN (4520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	33,849	8.8	8.7	0.3	13.8	13.4	0.4	17.2	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	799	27.4	24.4	2.1	31.4	27.3	2.2	32.9	30.0	2.0
CONGESTIVE HEART FAILURE	1,618	12.9	13.9	1.0	22.1	22.3	1.0	28.3	28.5	1.4
PNEUMONIA/INFLUENZA	1,660	14.5	15.1	1.0	21.4	20.9	1.1	26.1	24.7	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	578	7.6	6.5	1.7	14.2	11.7	2.4	18.3	15.9	2.4
TRANSIENT CEREBRAL ISCHEMIA	559	1.6	1.7	0.7	3.0	3.7	1.0	5.4	6.1	1.3
STROKE	1,097	19.7	18.7	1.4	26.6	24.9	1.8	29.8	28.6	1.7
HIP FRACTURE	788	7.2	6.4	1.3	11.9	11.3	1.3	13.7	14.7	1.5
SEPSIS	436	29.4	24.9	3.2	36.7	32.6	3.1	40.8	37.2	2.9
PROCEDURES:										
ANGIOPLASTY	358	0.8	2.0	1.0	1.7	2.8	1.1	2.2	3.6	1.2
CORONARY ARTERY BYPASS GRAFT	570	7.4	5.8	1.3	8.6	8.3	1.2	10.5	9.5	1.5
INITIAL PACEMAKER INSERTION	295	3.1	3.2	1.2	6.4	6.2	1.4	7.8	9.0	2.8
CAROTID ENDARTERECTOMY	178	2.2	1.4	1.2	3.9	2.6	1.8	6.2	3.7	2.9
HIP REPLACEMENT/RECONSTRUCTION	596	3.2	3.2	1.0	5.4	6.0	1.3	7.0	8.1	1.5
OPEN REDUCTION OF HIP FRACTURE	334	8.1	6.2	2.4	12.9	11.0	2.4	14.1	14.5	2.3
PROSTATECTOMY	788	1.3	1.1	0.4	2.5	2.6	1.0	5.5	4.4	1.1
CHOLECYSTECTOMY	677	3.5	2.4	1.3	6.2	4.5	1.8	7.8	6.0	1.9
HYSTERECTOMY	285	0.7	0.8	0.7	1.1	1.7	0.9	2.8	2.6	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 141,167

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.44	30.43	0.15	1.10	0.00	5.02	4.71	0.06	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.93	0.03	0.82	0.02					
CONGESTIVE HEART FAILURE	2.05	1.92	0.04	1.07	0.02					
PNEUMONIA/INFLUENZA	1.76	1.46	0.03	1.20	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.65	0.02	1.12	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.44	0.02	1.11	0.04					
STROKE	1.00	0.98	0.03	1.03	0.03					
HIP FRACTURE	0.68	0.61	0.02	1.13	0.04					
SEPSIS	0.48	0.39	0.02	1.25	0.05					
PROCEDURES:										
ANGIOPLASTY	0.25	0.28	0.01	0.89	0.05					
CORONARY ARTERY BYPASS GRAFT	0.46	0.39	0.02	1.18	0.05					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.01	1.27	0.08					
CAROTID ENDARTERECTOMY	0.13	0.13	0.01	0.99	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.43	0.02	1.08	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.03	0.05					
PROSTATECTOMY	0.62	0.69	0.02	0.90	0.03					
CHOLECYSTECTOMY	0.53	0.48	0.02	1.12	0.04					
HYSTERECTOMY	0.21	0.18	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

OWENSBORO, KY (5990)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,285	8.6	8.2	0.7	13.2	12.6	0.6	15.9	15.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	134	28.4	24.7	4.0	32.1	27.5	4.3	37.3	30.2	4.8
CONGESTIVE HEART FAILURE	209	16.7	13.3	3.1	25.8	21.4	3.9	30.6	27.2	3.6
PNEUMONIA/INFLUENZA	285	16.5	14.1	3.7	23.5	19.5	3.5	25.6	23.1	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	67	6.0	8.0	4.3	11.9	14.2	4.9	19.4	18.7	5.3
TRANSIENT CEREBRAL ISCHEMIA	103	1.0	1.6	1.4	6.8	3.7	3.2	9.7	6.0	4.0
STROKE	147	23.1	21.0	3.7	26.5	26.7	3.7	27.9	30.5	4.3
HIP FRACTURE	110	7.3	5.9	3.2	13.6	10.6	4.2	14.5	13.9	4.9
SEPSIS	44	13.6	21.7	*	22.7	30.4	*	29.5	35.0	*
PROCEDURES:										
ANGIOPLASTY	25	0.0	3.1	*	4.0	4.0	*	4.0	5.0	*
CORONARY ARTERY BYPASS GRAFT	47	10.6	6.1	*	10.6	8.1	*	10.6	9.0	*
INITIAL PACEMAKER INSERTION	16	0.0	3.0	*	6.3	5.4	*	6.3	7.8	*
CAROTID ENDARTERECTOMY	44	0.0	1.4	*	4.5	2.8	*	4.5	4.2	*
HIP REPLACEMENT/RECONSTRUCTION	65	3.1	3.0	2.2	6.2	5.5	2.9	6.2	7.6	3.5
OPEN REDUCTION OF HIP FRACTURE	32	3.1	5.3	*	12.5	10.0	*	15.6	13.4	*
PROSTATECTOMY	172	0.6	0.9	0.9	1.7	2.0	1.8	6.4	3.5	2.9
CHOLECYSTECTOMY	56	1.8	1.8	1.8	5.4	3.3	3.8	5.4	4.4	3.8
HYSTERECTOMY	41	2.4	0.8	*	4.9	1.5	*	4.9	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 13,521

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.99	30.78	0.48	1.20	0.02	4.97	4.61	0.18	1.08	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.99	0.09	0.98	0.09					
CONGESTIVE HEART FAILURE	1.92	1.90	0.12	1.01	0.06					
PNEUMONIA/INFLUENZA	2.42	1.53	0.11	1.58	0.11					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.68	0.69	0.07	0.99	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.74	0.45	0.06	1.65	0.22					
STROKE	1.12	0.96	0.08	1.14	0.10					
HIP FRACTURE	0.63	0.62	0.07	1.05	0.12					
SEPSIS	0.45	0.36	0.05	1.26	0.19					
PROCEDURES:										
ANGIOPLASTY	0.27	0.29	0.05	0.86	0.14					
CORONARY ARTERY BYPASS GRAFT	0.48	0.41	0.05	1.19	0.17					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.04	0.62	0.13					
CAROTID ENDARTERECTOMY	0.31	0.14	0.03	2.16	0.52					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.44	0.06	0.92	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.29	0.05	0.79	0.13					
PROSTATECTOMY	1.10	0.69	0.07	1.60	0.17					
CHOLECYSTECTOMY	0.41	0.52	0.06	0.75	0.09					
HYSTERECTOMY	0.28	0.19	0.04	1.46	0.31					

** QUANTITIES COULD NOT BE ESTIMATED

KY-(NONMSA) (99KY)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	56,965	9.4	9.2	0.2	14.4	14.1	0.2	17.7	17.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,752	31.1	25.7	1.2	34.4	28.9	1.5	36.6	31.7	1.4
CONGESTIVE HEART FAILURE	2,809	15.4	14.5	1.1	24.0	23.1	0.8	29.5	29.4	0.9
PNEUMONIA/INFLUENZA	4,112	13.4	14.8	1.1	20.1	20.6	1.3	24.1	24.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,586	5.4	6.1	0.7	9.6	11.3	1.0	13.3	15.6	1.2
TRANSIENT CEREBRAL ISCHEMIA	1,102	1.2	1.9	0.7	4.1	4.3	0.7	7.1	7.0	0.8
STROKE	1,974	21.8	19.6	1.4	29.2	26.2	1.6	33.3	30.2	1.7
HIP FRACTURE	1,291	7.8	6.5	1.0	12.5	11.5	1.1	14.6	15.0	1.0
SEPSIS	564	29.4	24.6	2.7	38.8	32.8	3.1	41.5	37.6	2.5
PROCEDURES:										
ANGIOPLASTY	97	2.1	4.8	2.8	2.1	5.7	3.3	3.1	6.6	3.7
CORONARY ARTERY BYPASS GRAFT	224	2.7	6.0	1.9	3.1	8.4	2.5	3.1	9.6	2.9
INITIAL PACEMAKER INSERTION	225	4.0	3.3	1.4	9.3	6.5	2.8	13.3	9.5	3.8
CAROTID ENDARTERECTOMY	187	4.8	1.7	1.6	7.5	3.2	2.2	8.6	4.6	2.4
HIP REPLACEMENT/RECONSTRUCTION	703	4.0	4.0	0.8	7.7	7.4	1.2	9.2	10.0	1.2
OPEN REDUCTION OF HIP FRACTURE	671	7.7	6.2	1.4	11.6	11.2	1.3	14.0	14.8	1.5
PROSTATECTOMY	1,334	1.8	1.1	0.6	3.1	2.5	0.5	4.9	4.2	0.9
CHOLECYSTECTOMY	1,125	3.1	2.8	0.6	5.3	5.0	0.7	6.8	6.6	0.9
HYSTERECTOMY	322	0.3	0.6	0.5	0.9	1.3	0.7	1.2	1.9	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 324,029

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	36.37	33.34	0.10	1.09	0.00	4.91	4.72	0.04	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	1.08	0.02	1.05	0.02					
CONGESTIVE HEART FAILURE	2.03	1.97	0.02	1.02	0.01					
PNEUMONIA/INFLUENZA	2.34	2.00	0.02	1.18	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.11	0.87	0.02	1.24	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.62	0.47	0.01	1.30	0.04					
STROKE	1.11	1.01	0.02	1.09	0.02					
HIP FRACTURE	0.65	0.62	0.01	1.05	0.02					
SEPSIS	0.38	0.36	0.01	1.02	0.03					
PROCEDURES:										
ANGIOPLASTY	0.25	0.30	0.01	0.84	0.03					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.01	1.09	0.03					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.98	0.05					
CAROTID ENDARTERECTOMY	0.14	0.15	0.01	0.93	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.44	0.01	0.96	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.10	0.04					
PROSTATECTOMY	0.71	0.76	0.01	0.93	0.02					
CHOLECYSTECTOMY	0.58	0.59	0.01	0.99	0.02					
HYSTERECTOMY	0.17	0.18	0.01	0.98	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

ALEXANDRIA, LA (0220)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,851	8.5	8.2	0.4	12.8	12.8	0.5	15.9	16.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	136	25.7	23.5	3.8	27.2	26.1	3.8	28.7	28.5	3.9
CONGESTIVE HEART FAILURE	263	14.4	13.6	2.6	22.8	21.6	3.8	28.5	27.6	5.1
PNEUMONIA/INFLUENZA	256	15.6	15.6	2.3	22.3	21.5	2.8	25.4	25.1	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	58	8.6	4.8	4.8	12.1	9.2	5.5	17.2	12.9	6.1
TRANSIENT CEREBRAL ISCHEMIA	94	3.2	1.3	1.9	4.3	3.0	2.4	6.4	5.0	2.8
STROKE	179	17.3	20.0	5.5	25.1	26.4	5.4	27.9	30.1	5.4
HIP FRACTURE	117	7.7	6.8	2.6	9.4	11.8	3.7	13.7	15.1	3.7
SEPSIS	95	32.6	25.7	6.7	40.0	34.8	6.0	43.2	40.2	5.5
PROCEDURES:										
ANGIOPLASTY	125	3.2	3.9	1.8	3.2	4.9	2.1	4.8	6.0	2.5
CORONARY ARTERY BYPASS GRAFT	77	19.5	5.5	5.3	19.5	7.4	4.6	22.1	8.2	5.4
INITIAL PACEMAKER INSERTION	67	3.0	3.0	2.3	7.5	6.0	4.2	11.9	8.7	6.3
CAROTID ENDARTERECTOMY	104	1.9	1.5	1.5	3.8	2.9	1.9	4.8	4.2	2.0
HIP REPLACEMENT/RECONSTRUCTION	90	7.8	4.4	3.0	8.9	7.7	3.3	10.0	10.0	3.2
OPEN REDUCTION OF HIP FRACTURE	56	5.4	6.1	3.3	7.1	11.3	5.5	12.5	14.9	5.2
PROSTATECTOMY	145	2.8	1.1	1.7	2.8	2.4	1.4	4.8	4.0	1.8
CHOLECYSTECTOMY	122	5.7	2.8	2.3	7.4	5.1	2.4	8.2	6.8	2.5
HYSTERECTOMY	29	0.0	0.5	*	0.0	1.1	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,814

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.68	32.84	0.42	1.03	0.01	4.77	5.09	0.16	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.91	0.07	0.67	0.05					
CONGESTIVE HEART FAILURE	2.05	2.05	0.10	0.99	0.05					
PNEUMONIA/INFLUENZA	1.64	1.68	0.09	0.98	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.70	0.06	0.72	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.45	0.05	0.89	0.10					
STROKE	0.99	1.10	0.08	0.91	0.06					
HIP FRACTURE	0.56	0.59	0.06	0.97	0.10					
SEPSIS	0.66	0.46	0.05	1.33	0.15					
PROCEDURES:										
ANGIOPLASTY	0.60	0.26	0.04	2.25	0.35					
CORONARY ARTERY BYPASS GRAFT	0.44	0.34	0.04	1.23	0.17					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.03	1.33	0.24					
CAROTID ENDARTERECTOMY	0.35	0.12	0.03	3.06	0.77					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.38	0.04	1.17	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.04	0.87	0.13					
PROSTATECTOMY	0.60	0.67	0.06	0.90	0.08					
CHOLECYSTECTOMY	0.50	0.48	0.05	1.05	0.12					
HYSTERECTOMY	0.13	0.16	0.03	0.78	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

BATON ROUGE, LA (0760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	13,108	9.4	8.9	0.4	14.6	13.7	0.4	18.2	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	423	23.4	23.4	3.0	27.4	26.3	2.9	30.0	28.9	2.9
CONGESTIVE HEART FAILURE	711	12.1	13.1	1.5	19.7	21.0	2.0	26.3	27.0	1.8
PNEUMONIA/INFLUENZA	502	16.3	14.7	2.1	21.9	20.4	1.9	25.7	24.1	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	143	11.2	7.1	3.8	18.2	12.8	4.0	22.4	17.3	4.2
TRANSIENT CEREBRAL ISCHEMIA	185	3.8	1.8	1.5	6.5	3.9	1.9	8.1	6.2	2.0
STROKE	514	18.3	19.6	2.1	24.3	25.2	2.4	27.6	28.5	2.2
HIP FRACTURE	310	8.1	6.4	2.0	12.3	11.4	2.3	17.1	14.8	3.0
SEPSIS	198	30.3	25.7	4.5	41.4	34.5	5.4	44.4	39.6	4.6
PROCEDURES:										
ANGIOPLASTY	176	1.1	3.5	2.2	2.3	4.5	2.4	2.8	5.4	2.5
CORONARY ARTERY BYPASS GRAFT	220	8.2	5.4	2.3	10.0	7.3	2.2	10.9	8.1	2.3
INITIAL PACEMAKER INSERTION	106	3.8	2.8	1.8	9.4	5.5	2.7	15.1	8.0	3.8
CAROTID ENDARTERECTOMY	71	0.0	1.5	1.9	4.2	2.8	2.3	5.6	4.2	2.7
HIP REPLACEMENT/RECONSTRUCTION	216	5.1	3.9	1.7	6.9	7.3	1.8	9.7	9.7	2.0
OPEN REDUCTION OF HIP FRACTURE	167	6.6	5.6	2.0	11.4	10.2	3.5	17.4	13.5	4.8
PROSTATECTOMY	425	0.9	0.8	0.6	2.1	1.9	0.7	2.8	3.3	1.1
CHOLECYSTECTOMY	274	4.0	2.8	1.4	4.4	5.3	1.7	6.6	7.0	1.7
HYSTERECTOMY	108	2.8	0.8	2.2	2.8	1.9	1.8	3.7	3.0	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 55,328

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.48	31.05	0.24	0.95	0.01	4.88	5.00	0.09	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.86	0.04	1.02	0.05					
CONGESTIVE HEART FAILURE	1.97	1.99	0.06	0.99	0.03					
PNEUMONIA/INFLUENZA	1.08	1.42	0.05	0.76	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.62	0.03	0.59	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.42	0.03	0.95	0.06					
STROKE	1.04	1.07	0.04	0.97	0.04					
HIP FRACTURE	0.54	0.54	0.03	**	**					
SEPSIS	0.50	0.48	0.03	1.05	0.06					
PROCEDURES:										
ANGIOPLASTY	0.32	0.28	0.02	1.09	0.09					
CORONARY ARTERY BYPASS GRAFT	0.42	0.36	0.03	1.16	0.08					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.02	1.06	0.10					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.36	0.03	1.08	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.28	0.02	1.09	0.09					
PROSTATECTOMY	0.85	0.71	0.04	1.22	0.06					
CHOLECYSTECTOMY	0.51	0.43	0.03	1.20	0.08					
HYSTERECTOMY	0.17	0.16	0.02	1.09	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

HOUMA-THIBODAUX, LA (3350)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,833	8.8	7.6	0.6	12.9	11.5	0.7	15.6	14.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	108	30.6	26.0	4.9	31.5	28.8	4.7	33.3	31.4	4.6
CONGESTIVE HEART FAILURE	229	11.8	13.0	2.7	20.1	21.0	3.9	24.5	26.9	3.8
PNEUMONIA/INFLUENZA	205	19.0	14.1	3.5	25.9	19.7	3.7	31.2	23.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	76	9.2	6.4	5.4	15.8	11.8	6.8	18.4	16.3	7.4
TRANSIENT CEREBRAL ISCHEMIA	72	0.0	1.3	1.8	0.0	3.0	3.3	4.2	5.0	2.8
STROKE	167	27.5	18.9	5.3	30.5	23.7	5.0	33.5	27.0	4.9
HIP FRACTURE	78	5.1	6.0	2.9	10.3	10.8	4.7	11.5	14.1	6.0
SEPSIS	48	35.4	28.5	*	52.1	35.8	*	54.2	40.3	*
PROCEDURES:										
ANGIOPLASTY	103	3.9	3.1	1.9	5.8	4.2	2.5	6.8	5.1	2.8
CORONARY ARTERY BYPASS GRAFT	91	5.5	4.4	2.2	9.9	6.3	3.3	13.2	7.3	4.1
INITIAL PACEMAKER INSERTION	31	3.2	3.0	*	3.2	5.4	*	3.2	7.4	*
CAROTID ENDARTERECTOMY	51	0.0	1.3	1.9	2.0	2.4	2.4	2.0	3.6	3.1
HIP REPLACEMENT/RECONSTRUCTION	38	0.0	5.1	*	2.6	9.3	*	5.3	12.2	*
OPEN REDUCTION OF HIP FRACTURE	41	2.4	4.9	*	9.8	9.1	*	9.8	12.2	*
PROSTATECTOMY	158	0.0	0.9	1.0	0.0	1.9	1.7	0.6	3.3	2.2
CHOLECYSTECTOMY	90	1.1	2.0	1.6	2.2	3.5	2.2	3.3	4.5	2.8
HYSTERECTOMY	29	3.4	0.4	*	3.4	0.8	*	3.4	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,573

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.02	32.97	0.40	1.09	0.01	4.28	4.85	0.15	0.88	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.96	0.07	0.86	0.06					
CONGESTIVE HEART FAILURE	2.21	2.09	0.10	1.06	0.05					
PNEUMONIA/INFLUENZA	1.34	1.74	0.09	0.77	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.77	0.93	0.07	0.86	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.47	0.05	0.95	0.10					
STROKE	1.05	0.99	0.07	1.05	0.07					
HIP FRACTURE	0.45	0.54	0.05	0.80	0.08					
SEPSIS	0.40	0.43	0.05	0.89	0.10					
PROCEDURES:										
ANGIOPLASTY	0.80	0.34	0.04	2.21	0.28					
CORONARY ARTERY BYPASS GRAFT	0.63	0.42	0.05	1.47	0.17					
INITIAL PACEMAKER INSERTION	0.25	0.18	0.03	1.54	0.29					
CAROTID ENDARTERECTOMY	0.28	0.17	0.03	1.34	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.30	0.37	0.04	0.77	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.27	0.04	0.79	0.11					
PROSTATECTOMY	0.84	0.70	0.06	1.21	0.10					
CHOLECYSTECTOMY	0.52	0.52	0.05	**	**					
HYSTERECTOMY	0.16	0.16	0.03	0.84	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

LAFAYETTE, LA (3880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,315	7.7	7.0	0.4	11.9	11.1	0.5	14.9	14.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	137	16.8	21.9	6.9	22.6	24.5	6.9	25.5	27.0	6.4
CONGESTIVE HEART FAILURE	268	14.9	12.0	3.0	22.8	19.2	3.1	29.9	24.7	3.9
PNEUMONIA/INFLUENZA	255	12.2	12.2	2.1	17.3	17.1	2.4	22.7	20.5	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	57	7.0	5.7	3.3	10.5	10.3	4.1	14.0	14.3	4.6
TRANSIENT CEREBRAL ISCHEMIA	88	2.3	1.7	1.4	4.5	3.5	2.2	5.7	5.5	2.6
STROKE	213	16.4	15.5	3.0	22.5	20.7	3.2	24.9	24.1	3.0
HIP FRACTURE	99	10.1	6.0	4.8	14.1	10.5	6.2	17.2	13.6	7.4
SEPSIS	30	26.7	25.7	*	30.0	34.6	*	30.0	39.6	*
PROCEDURES:										
ANGIOPLASTY	126	1.6	1.9	2.0	2.4	2.7	2.1	3.2	3.5	1.8
CORONARY ARTERY BYPASS GRAFT	119	4.2	4.2	1.9	5.0	5.8	2.3	5.0	6.6	2.7
INITIAL PACEMAKER INSERTION	91	3.3	2.4	2.5	6.6	4.9	3.3	6.6	7.2	4.7
CAROTID ENDARTERECTOMY	56	0.0	1.4	*	0.0	2.7	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	73	5.5	3.2	3.5	5.5	5.6	3.6	6.8	7.2	4.1
OPEN REDUCTION OF HIP FRACTURE	51	5.9	5.3	3.2	11.8	9.7	4.5	15.7	12.9	6.0
PROSTATECTOMY	187	0.0	0.7	1.3	1.1	1.6	1.3	3.7	2.8	1.5
CHOLECYSTECTOMY	155	1.3	2.7	1.6	3.9	5.2	2.0	6.5	7.0	2.1
HYSTERECTOMY	26	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,389

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.61	33.14	0.39	0.95	0.01	4.44	5.19	0.16	0.85	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.62	0.90	0.06	0.67	0.05					
CONGESTIVE HEART FAILURE	1.96	2.15	0.10	0.91	0.04					
PNEUMONIA/INFLUENZA	1.68	1.69	0.09	1.00	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.74	0.06	0.59	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.46	0.05	0.85	0.09					
STROKE	1.04	1.07	0.07	0.96	0.06					
HIP FRACTURE	0.56	0.59	0.05	0.97	0.09					
SEPSIS	0.28	0.48	0.05	0.59	0.06					
PROCEDURES:										
ANGIOPLASTY	0.33	0.30	0.04	1.08	0.14					
CORONARY ARTERY BYPASS GRAFT	0.42	0.37	0.04	1.14	0.13					
INITIAL PACEMAKER INSERTION	0.36	0.19	0.03	1.71	0.29					
CAROTID ENDARTERECTOMY	0.17	0.13	0.03	1.18	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.39	0.04	0.82	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.04	1.01	0.13					
PROSTATECTOMY	0.71	0.69	0.06	1.03	0.09					
CHOLECYSTECTOMY	0.70	0.47	0.05	1.47	0.15					
HYSTERECTOMY	0.12	0.16	0.03	0.84	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

LAKE CHARLES, LA (3960)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,876	8.7	8.3	0.5	12.9	12.7	0.5	16.4	16.0	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	158	22.2	23.2	3.4	27.2	26.3	4.5	29.1	29.0	3.9
CONGESTIVE HEART FAILURE	295	13.2	13.1	2.0	19.3	21.2	3.0	24.4	27.2	3.5
PNEUMONIA/INFLUENZA	293	15.4	13.4	3.5	20.5	18.4	2.9	23.5	21.8	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	83	7.2	6.5	2.8	9.6	11.5	3.7	9.6	15.6	6.1
TRANSIENT CEREBRAL ISCHEMIA	120	0.8	1.5	1.5	1.7	3.5	2.4	3.3	5.7	2.9
STROKE	173	18.5	19.8	3.2	26.0	25.2	3.4	29.5	28.7	3.6
HIP FRACTURE	90	8.9	5.3	4.7	11.1	9.7	4.3	16.7	12.8	5.0
SEPSIS	105	36.2	24.6	7.0	47.6	32.4	6.2	52.4	37.0	6.4
PROCEDURES:										
ANGIOPLASTY	27	0.0	2.2	*	0.0	2.8	*	0.0	3.6	*
CORONARY ARTERY BYPASS GRAFT	57	8.8	5.2	4.4	10.5	7.1	5.2	10.5	8.1	5.3
INITIAL PACEMAKER INSERTION	33	6.1	2.4	*	6.1	4.8	*	9.1	7.3	*
CAROTID ENDARTERECTOMY	57	0.0	1.7	2.2	0.0	3.1	3.3	0.0	4.5	4.2
HIP REPLACEMENT/RECONSTRUCTION	76	5.3	2.7	3.8	6.6	5.1	3.6	7.9	6.9	3.2
OPEN REDUCTION OF HIP FRACTURE	45	4.4	4.6	*	4.4	8.6	*	13.3	11.7	*
PROSTATECTOMY	238	0.0	0.8	1.1	1.3	2.0	1.4	3.4	3.5	1.6
CHOLECYSTECTOMY	151	5.3	3.1	2.7	6.0	5.4	1.9	7.3	7.0	2.2
HYSTERECTOMY	31	0.0	0.4	*	0.0	0.8	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 22,665

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	39.06	31.30	0.37	1.25	0.01	4.58	4.75	0.14	0.96	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.90	0.06	1.06	0.07					
CONGESTIVE HEART FAILURE	2.48	1.98	0.09	1.24	0.06					
PNEUMONIA/INFLUENZA	2.08	1.46	0.08	1.42	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.69	0.06	0.80	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.63	0.45	0.04	1.36	0.14					
STROKE	1.04	1.02	0.07	1.03	0.07					
HIP FRACTURE	0.45	0.53	0.05	0.89	0.08					
SEPSIS	0.79	0.44	0.04	1.75	0.18					
PROCEDURES:										
ANGIOPLASTY	0.23	0.33	0.04	0.72	0.09					
CORONARY ARTERY BYPASS GRAFT	0.37	0.41	0.04	0.96	0.10					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.03	0.89	0.14					
CAROTID ENDARTERECTOMY	0.27	0.16	0.03	1.66	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.39	0.04	0.91	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.26	0.03	0.86	0.12					
PROSTATECTOMY	1.03	0.75	0.06	1.38	0.11					
CHOLECYSTECTOMY	0.80	0.49	0.05	1.65	0.16					
HYSTERECTOMY	0.18	0.17	0.03	1.07	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

MONROE, LA (5200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	6,941	6.9	8.0	0.3	11.4	12.8	0.4	14.9	16.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	152	25.7	25.5	3.9	28.3	28.4	4.1	31.6	31.1	4.5
CONGESTIVE HEART FAILURE	309	12.6	13.6	2.0	19.1	22.1	3.0	23.0	28.3	3.9
PNEUMONIA/INFLUENZA	302	13.6	14.0	2.1	19.5	19.4	2.3	24.8	23.0	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	149	8.1	6.3	3.2	16.1	11.9	4.8	21.5	16.4	5.3
TRANSIENT CEREBRAL ISCHEMIA	95	4.2	1.3	2.1	4.2	3.0	2.2	5.3	5.1	2.4
STROKE	204	15.7	18.2	4.1	23.5	24.6	3.9	28.4	28.3	3.9
HIP FRACTURE	118	2.5	6.4	4.2	7.6	11.2	5.1	13.6	14.6	4.9
SEPSIS	69	29.0	23.3	9.1	42.0	32.9	10.7	44.9	38.5	9.0
PROCEDURES:										
ANGIOPLASTY	23	8.7	4.2	*	13.0	5.7	*	17.4	7.3	*
CORONARY ARTERY BYPASS GRAFT	67	1.5	4.6	3.4	4.5	6.5	3.7	6.0	7.4	3.3
INITIAL PACEMAKER INSERTION	46	2.2	3.9	*	2.2	7.4	*	4.3	10.4	*
CAROTID ENDARTERECTOMY	10	0.0	1.2	*	0.0	2.4	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	105	1.0	3.2	2.8	2.9	6.1	4.0	7.6	8.5	3.7
OPEN REDUCTION OF HIP FRACTURE	60	0.0	5.5	5.7	10.0	10.0	3.9	13.3	13.3	4.4
PROSTATECTOMY	158	1.9	1.1	1.1	3.2	2.5	1.4	3.8	4.1	1.6
CHOLECYSTECTOMY	99	1.0	3.4	2.4	3.0	6.1	3.3	4.0	8.1	3.8
HYSTERECTOMY	29	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,649

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	44.55	31.97	0.41	1.39	0.02	4.68	5.25	0.17	0.89	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.92	0.07	1.16	0.09					
CONGESTIVE HEART FAILURE	2.64	1.99	0.10	1.32	0.07					
PNEUMONIA/INFLUENZA	2.01	1.62	0.09	1.23	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.12	0.62	0.06	1.76	0.17					
TRANSIENT CEREBRAL ISCHEMIA	0.55	0.43	0.05	1.30	0.15					
STROKE	1.26	1.15	0.08	1.10	0.07					
HIP FRACTURE	0.60	0.61	0.06	0.96	0.09					
SEPSIS	0.47	0.48	0.05	0.92	0.10					
PROCEDURES:										
ANGIOPLASTY	0.16	0.25	0.04	0.61	0.09					
CORONARY ARTERY BYPASS GRAFT	0.45	0.33	0.04	1.38	0.18					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.03	1.03	0.17					
CAROTID ENDARTERECTOMY	0.08	0.10	0.02	1.46	0.36					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.40	0.05	1.13	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.31	0.04	1.03	0.14					
PROSTATECTOMY	0.82	0.72	0.06	1.14	0.10					
CHOLECYSTECTOMY	0.58	0.45	0.05	1.30	0.15					
HYSTERECTOMY	0.13	0.16	0.03	0.80	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

NEW ORLEANS, LA (5560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	35,543	8.2	8.6	0.3	13.2	13.3	0.2	16.6	16.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	972	25.3	23.8	2.5	30.1	27.1	2.8	33.2	29.9	3.0
CONGESTIVE HEART FAILURE	2,114	11.6	13.5	1.2	19.6	21.7	1.4	25.7	27.8	1.4
PNEUMONIA/INFLUENZA	1,251	13.4	14.9	1.3	18.2	20.4	1.7	22.6	24.0	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	361	5.0	6.8	1.8	9.7	12.0	2.7	14.4	16.2	3.6
TRANSIENT CEREBRAL ISCHEMIA	556	1.3	1.6	0.6	4.3	3.7	1.1	5.9	5.9	1.1
STROKE	1,194	20.3	19.0	1.4	25.5	25.1	1.4	29.8	28.7	1.9
HIP FRACTURE	670	6.7	5.9	1.7	10.6	10.5	1.5	13.6	13.6	1.6
SEPSIS	545	28.3	25.4	2.6	39.6	34.7	3.4	46.1	39.7	3.9
PROCEDURES:										
ANGIOPLASTY	527	2.3	2.8	1.1	3.8	3.7	1.4	4.2	4.6	1.6
CORONARY ARTERY BYPASS GRAFT	549	6.6	5.5	1.7	9.1	7.7	2.1	10.9	8.7	2.3
INITIAL PACEMAKER INSERTION	346	1.7	3.3	1.5	6.9	6.6	1.5	10.7	9.5	1.7
CAROTID ENDARTERECTOMY	246	1.2	1.6	0.9	2.8	3.0	1.1	4.9	4.3	1.6
HIP REPLACEMENT/RECONSTRUCTION	415	5.3	3.6	1.9	8.2	6.8	2.7	10.6	9.2	3.0
OPEN REDUCTION OF HIP FRACTURE	371	5.9	5.4	2.1	10.0	9.8	1.9	13.2	12.9	1.8
PROSTATECTOMY	938	1.0	1.0	0.4	2.3	2.3	0.7	4.1	3.9	0.9
CHOLECYSTECTOMY	596	3.0	3.1	1.4	5.9	5.8	1.8	7.4	7.7	1.4
HYSTERECTOMY	175	1.1	0.8	1.0	1.1	1.8	1.2	1.7	2.8	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 160,808

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.92	31.19	0.14	1.12	0.00	4.99	5.02	0.06	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.83	0.02	1.14	0.03					
CONGESTIVE HEART FAILURE	2.65	2.07	0.04	1.28	0.02					
PNEUMONIA/INFLUENZA	1.29	1.35	0.03	0.96	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.60	0.02	0.74	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.43	0.02	1.12	0.04					
STROKE	1.09	1.05	0.03	1.03	0.02					
HIP FRACTURE	0.56	0.54	0.02	1.03	0.03					
SEPSIS	0.64	0.48	0.02	1.33	0.05					
PROCEDURES:										
ANGIOPLASTY	0.46	0.28	0.01	1.62	0.08					
CORONARY ARTERY BYPASS GRAFT	0.49	0.36	0.01	1.33	0.06					
INITIAL PACEMAKER INSERTION	0.30	0.20	0.01	1.49	0.08					
CAROTID ENDARTERECTOMY	0.19	0.13	0.01	1.43	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.38	0.01	0.85	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.27	0.01	1.12	0.05					
PROSTATECTOMY	0.72	0.69	0.02	1.04	0.03					
CHOLECYSTECTOMY	0.47	0.43	0.02	1.08	0.04					
HYSTERECTOMY	0.11	0.16	0.01	0.73	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

SHREVEPORT, LA (7680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,813	8.3	8.3	0.2	12.7	12.8	0.3	15.9	16.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	359	26.7	23.2	3.9	30.4	26.6	3.9	33.1	29.4	3.5
CONGESTIVE HEART FAILURE	655	16.0	13.0	2.2	24.0	21.0	2.2	29.5	26.9	2.2
PNEUMONIA/INFLUENZA	695	11.2	14.9	2.1	17.3	20.5	2.3	20.4	24.2	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	200	5.5	6.2	1.8	11.5	11.2	3.3	13.5	15.1	3.5
TRANSIENT CEREBRAL ISCHEMIA	195	1.0	1.5	1.4	3.1	3.4	2.2	5.1	5.6	2.6
STROKE	488	20.1	19.4	1.9	25.2	25.9	2.0	28.5	29.7	2.3
HIP FRACTURE	315	5.1	6.4	2.0	10.2	11.4	3.3	13.0	14.9	4.1
SEPSIS	176	29.0	26.2	3.5	35.8	35.5	4.1	40.9	40.8	3.9
PROCEDURES:										
ANGIOPLASTY	137	4.4	3.6	1.7	4.4	4.6	1.8	5.1	5.5	2.3
CORONARY ARTERY BYPASS GRAFT	256	9.0	5.8	2.3	13.3	8.1	2.9	14.1	9.2	2.9
INITIAL PACEMAKER INSERTION	133	3.0	3.2	1.8	4.5	6.5	2.9	7.5	9.6	3.9
CAROTID ENDARTERECTOMY	106	0.9	1.5	1.7	0.9	2.9	2.5	0.9	4.4	3.5
HIP REPLACEMENT/RECONSTRUCTION	237	2.1	3.2	1.4	4.2	5.9	1.9	5.9	7.9	2.6
OPEN REDUCTION OF HIP FRACTURE	182	3.8	6.0	3.2	10.4	11.0	3.8	13.7	14.6	3.4
PROSTATECTOMY	580	0.9	1.0	0.4	2.1	2.4	0.8	3.4	4.1	1.3
CHOLECYSTECTOMY	225	3.6	2.4	1.3	7.1	4.6	2.1	9.3	6.2	2.6
HYSTERECTOMY	82	0.0	0.7	1.1	1.2	1.6	1.6	2.4	2.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 46,743

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.55	31.91	0.26	1.02	0.01	4.91	5.26	0.11	0.93	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.89	0.04	0.86	0.04					
CONGESTIVE HEART FAILURE	1.96	2.05	0.07	0.95	0.03					
PNEUMONIA/INFLUENZA	1.88	1.57	0.06	1.20	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.59	0.04	1.12	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.43	0.03	1.06	0.08					
STROKE	1.08	1.15	0.05	0.94	0.04					
HIP FRACTURE	0.68	0.60	0.04	1.12	0.07					
SEPSIS	0.58	0.48	0.03	1.17	0.08					
PROCEDURES:										
ANGIOPLASTY	0.28	0.24	0.02	1.10	0.11					
CORONARY ARTERY BYPASS GRAFT	0.44	0.32	0.03	1.36	0.12					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.02	1.22	0.13					
CAROTID ENDARTERECTOMY	0.20	0.10	0.01	1.96	0.34					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.39	0.03	1.01	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.39	0.29	0.02	1.32	0.12					
PROSTATECTOMY	0.94	0.70	0.04	1.32	0.07					
CHOLECYSTECTOMY	0.44	0.43	0.03	0.97	0.07					
HYSTERECTOMY	0.16	0.16	0.02	0.97	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

LA-(NONMSA) (99LA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,662	9.4	9.0	0.2	13.9	13.9	0.2	17.2	17.4	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	817	31.2	25.0	2.1	36.1	28.3	2.6	39.0	31.3	2.5
CONGESTIVE HEART FAILURE	2,214	12.7	13.3	0.7	19.8	21.5	1.3	25.1	27.6	1.2
PNEUMONIA/INFLUENZA	2,654	12.4	13.5	0.8	16.6	18.8	1.0	20.1	22.2	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	626	4.2	5.8	1.2	8.5	11.0	2.2	12.5	15.1	2.4
TRANSIENT CEREBRAL ISCHEMIA	631	1.7	1.7	0.5	4.0	3.9	0.8	5.4	6.4	1.3
STROKE	1,206	23.8	18.2	1.3	30.3	24.6	1.3	34.4	28.6	1.4
HIP FRACTURE	430	6.7	5.7	2.0	11.6	10.3	2.7	14.9	13.7	2.6
SEPSIS	417	30.2	25.3	3.0	36.5	33.8	2.6	42.7	38.9	3.0
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	1	0.0	2.5	*	0.0	4.3	*	0.0	5.0	*
INITIAL PACEMAKER INSERTION	138	0.7	2.8	2.2	1.4	5.6	3.8	4.3	8.4	3.5
CAROTID ENDARTERECTOMY	70	1.4	1.5	1.5	1.4	2.7	2.2	4.3	3.9	2.4
HIP REPLACEMENT/RECONSTRUCTION	234	4.7	3.7	1.7	7.7	7.0	2.5	11.1	9.5	3.4
OPEN REDUCTION OF HIP FRACTURE	212	4.2	4.9	3.0	8.0	9.1	2.7	10.8	12.3	2.6
PROSTATECTOMY	718	1.5	1.0	0.6	2.9	2.4	0.7	5.2	4.1	1.1
CHOLECYSTECTOMY	533	2.3	2.4	0.8	3.8	4.5	1.2	5.1	6.0	1.3
HYSTERECTOMY	137	0.0	0.5	0.7	0.0	1.0	1.2	1.5	1.5	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 196,381

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	39.55	35.33	0.13	1.12	0.00	4.83	5.44	0.05	0.89	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.01	0.99	0.02	1.03	0.02					
CONGESTIVE HEART FAILURE	2.68	2.20	0.03	1.21	0.02					
PNEUMONIA/INFLUENZA	2.50	2.11	0.03	1.18	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.78	0.02	0.93	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.63	0.47	0.02	1.33	0.05					
STROKE	1.26	1.23	0.02	1.02	0.02					
HIP FRACTURE	0.48	0.62	0.02	0.75	0.02					
SEPSIS	0.49	0.49	0.02	0.99	0.03					
PROCEDURES:										
ANGIOPLASTY	0.29	0.26	0.01	1.10	0.05					
CORONARY ARTERY BYPASS GRAFT	0.36	0.33	0.01	1.10	0.05					
INITIAL PACEMAKER INSERTION	0.26	0.21	0.01	1.24	0.07					
CAROTID ENDARTERECTOMY	0.21	0.11	0.01	1.84	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.39	0.01	0.89	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.30	0.01	0.81	0.04					
PROSTATECTOMY	0.88	0.75	0.02	1.17	0.03					
CHOLECYSTECTOMY	0.56	0.50	0.02	1.13	0.04					
HYSTERECTOMY	0.14	0.16	0.01	0.91	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BOSTON-LOWELL-BROCKTON-LAWRENCE-SALEM, MA (1123)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	112,037	8.1	9.4	0.1	13.1	14.5	0.2	16.6	18.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,713	24.1	26.1	0.9	29.1	29.7	1.1	32.2	32.7	1.0
CONGESTIVE HEART FAILURE	5,389	13.6	15.9	0.5	22.7	25.1	0.6	29.4	31.5	0.8
PNEUMONIA/INFLUENZA	5,141	15.3	17.6	0.6	21.2	24.2	0.7	25.7	28.4	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,440	7.6	8.2	1.1	12.8	14.3	1.3	17.0	18.9	1.5
TRANSIENT CEREBRAL ISCHEMIA	1,434	1.0	2.0	0.6	3.3	4.4	0.8	6.1	7.0	1.0
STROKE	3,575	17.5	20.6	0.7	25.1	27.8	0.9	29.2	31.8	0.9
HIP FRACTURE	2,837	6.2	7.2	1.0	10.6	12.8	0.8	13.9	16.6	1.0
SEPSIS	1,029	22.4	25.5	2.1	30.4	33.8	2.3	35.3	38.6	2.4
PROCEDURES:										
ANGIOPLASTY	577	2.1	2.8	1.0	2.6	4.0	1.3	4.0	5.2	1.5
CORONARY ARTERY BYPASS GRAFT	1,195	5.2	6.2	0.9	7.4	9.4	1.2	7.9	10.8	1.2
INITIAL PACEMAKER INSERTION	787	2.2	3.5	1.0	5.1	6.7	1.2	8.1	9.6	1.4
CAROTID ENDARTERECTOMY	342	2.0	1.5	0.9	2.3	2.7	0.9	3.5	4.0	1.1
HIP REPLACEMENT/RECONSTRUCTION	2,119	2.6	3.4	0.5	4.7	6.3	0.7	6.4	8.4	0.9
OPEN REDUCTION OF HIP FRACTURE	1,511	5.8	6.4	1.2	10.3	11.8	1.1	13.7	15.6	1.3
PROSTATECTOMY	2,921	1.0	1.0	0.2	2.7	2.4	0.4	4.0	4.0	0.4
CHOLECYSTECTOMY	1,532	2.2	3.0	0.6	4.1	5.5	0.8	5.2	7.4	1.0
HYSTERECTOMY	732	0.5	0.7	0.4	1.0	1.6	0.5	2.2	2.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 538,916

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.84	26.15	0.07	1.18	0.00	4.76	4.80	0.03	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.09	0.81	0.01	1.35	0.02					
CONGESTIVE HEART FAILURE	1.93	1.57	0.02	1.23	0.01					
PNEUMONIA/INFLUENZA	1.44	1.14	0.01	1.27	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.42	0.01	1.11	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.35	0.01	1.04	0.02					
STROKE	0.88	0.86	0.01	1.02	0.01					
HIP FRACTURE	0.69	0.68	0.01	1.01	0.02					
SEPSIS	0.32	0.35	0.01	0.90	0.02					
PROCEDURES:										
ANGIOPLASTY	0.19	0.25	0.01	0.75	0.02					
CORONARY ARTERY BYPASS GRAFT	0.32	0.33	0.01	0.98	0.02					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.07	0.03					
CAROTID ENDARTERECTOMY	0.07	0.09	0.00	0.84	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.47	0.01	0.94	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.33	0.01	1.06	0.02					
PROSTATECTOMY	0.65	0.66	0.01	0.99	0.02					
CHOLECYSTECTOMY	0.35	0.35	0.01	**	**					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

NEW BEDFORD-FALL RIVER-ATTLEBORO, MA (5403)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,349	9.4	9.5	0.3	14.9	14.7	0.3	18.6	18.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	610	23.3	22.5	2.9	31.0	26.1	3.3	32.5	29.1	2.8
CONGESTIVE HEART FAILURE	838	14.1	14.9	2.3	22.3	23.7	2.2	29.6	30.0	2.2
PNEUMONIA/INFLUENZA	737	14.5	18.1	1.7	22.9	24.6	1.7	26.5	28.8	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	195	8.7	7.9	2.0	14.9	13.9	2.6	22.6	18.7	3.9
TRANSIENT CEREBRAL ISCHEMIA	246	3.3	2.1	1.4	6.9	4.8	1.8	7.7	7.7	1.8
STROKE	554	18.4	19.3	1.9	26.4	26.5	1.9	30.9	30.6	2.0
HIP FRACTURE	314	4.8	6.5	1.5	9.2	11.5	2.0	12.1	15.1	2.4
SEPSIS	123	18.7	23.8	5.9	30.9	32.7	5.3	37.4	37.7	5.3
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	105	6.7	3.5	3.0	11.4	6.4	3.8	13.3	9.1	4.8
CAROTID ENDARTERECTOMY	23	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	197	2.5	3.7	1.6	5.6	6.9	2.2	7.6	9.4	2.6
OPEN REDUCTION OF HIP FRACTURE	159	3.8	5.8	2.1	8.2	10.7	2.7	10.7	14.2	3.1
PROSTATECTOMY	429	0.5	0.9	0.6	1.4	2.2	1.0	2.8	3.6	1.4
CHOLECYSTECTOMY	241	2.5	2.1	1.2	3.3	3.9	1.7	3.7	5.2	2.3
HYSTERECTOMY	125	0.0	0.4	0.6	0.8	0.9	1.0	0.8	1.5	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 84,338

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.23	28.86	0.18	0.98	0.01	4.58	4.66	0.07	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.27	0.93	0.03	1.36	0.05					
CONGESTIVE HEART FAILURE	1.91	1.75	0.05	1.09	0.03					
PNEUMONIA/INFLUENZA	1.36	1.40	0.04	0.97	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.58	0.03	0.74	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.41	0.02	0.98	0.05					
STROKE	0.92	0.92	0.03	**	**					
HIP FRACTURE	0.49	0.65	0.03	0.76	0.03					
SEPSIS	0.28	0.35	0.02	0.78	0.05					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.02	0.64	0.04					
CORONARY ARTERY BYPASS GRAFT	0.35	0.39	0.02	0.92	0.05					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	0.97	0.08					
CAROTID ENDARTERECTOMY	0.09	0.13	0.01	0.64	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.47	0.02	0.76	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.02	0.86	0.05					
PROSTATECTOMY	0.67	0.69	0.03	0.96	0.04					
CHOLECYSTECTOMY	0.41	0.47	0.02	0.86	0.04					
HYSTERECTOMY	0.20	0.19	0.01	1.05	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

PITTSFIELD, MA (6323)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,319	9.2	9.2	0.4	14.3	14.4	0.7	17.6	18.2	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	159	21.4	27.0	4.5	23.3	30.1	4.8	28.3	32.7	4.7
CONGESTIVE HEART FAILURE	285	17.2	14.8	2.6	26.3	23.5	3.7	31.6	29.9	3.7
PNEUMONIA/INFLUENZA	287	15.7	15.2	2.3	19.9	21.1	3.1	23.0	25.1	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	66	4.5	7.1	4.9	9.1	12.5	5.0	19.7	16.8	5.3
TRANSIENT CEREBRAL ISCHEMIA	56	0.0	2.2	2.7	0.0	4.8	6.0	7.1	7.6	4.4
STROKE	184	16.3	19.6	4.7	23.4	26.5	4.7	28.3	30.7	4.3
HIP FRACTURE	161	6.2	7.3	3.4	12.4	13.2	5.6	14.9	17.2	5.9
SEPSIS	51	21.6	25.3	7.5	27.5	34.3	7.7	35.3	39.6	9.0
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	59	6.8	4.3	3.1	6.8	7.7	3.6	8.5	10.4	4.8
CAROTID ENDARTERECTOMY	9	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	96	3.1	4.3	2.3	7.3	7.9	2.8	11.5	10.5	3.5
OPEN REDUCTION OF HIP FRACTURE	56	5.4	6.2	3.4	14.3	11.7	5.3	14.3	15.6	5.2
PROSTATECTOMY	146	0.0	1.1	1.5	0.7	2.7	2.7	3.4	4.6	2.6
CHOLECYSTECTOMY	82	1.2	2.3	1.9	3.7	4.3	2.4	6.1	5.8	2.6
HYSTERECTOMY	31	0.0	0.4	*	0.0	1.0	*	6.5	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,507

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.89	27.45	0.32	1.05	0.01	4.79	4.73	0.13	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.90	0.06	1.00	0.07					
CONGESTIVE HEART FAILURE	1.83	1.66	0.08	1.10	0.05					
PNEUMONIA/INFLUENZA	1.41	1.27	0.07	1.12	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.49	0.50	0.04	0.95	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.38	0.04	0.71	0.08					
STROKE	0.89	0.89	0.06	**	**					
HIP FRACTURE	0.72	0.66	0.05	1.05	0.08					
SEPSIS	0.25	0.35	0.04	0.73	0.08					
PROCEDURES:										
ANGIOPLASTY	0.10	0.27	0.03	0.35	0.04					
CORONARY ARTERY BYPASS GRAFT	0.20	0.38	0.04	0.57	0.06					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.03	1.21	0.18					
CAROTID ENDARTERECTOMY	0.06	0.12	0.02	0.51	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.49	0.04	0.82	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.32	0.03	0.78	0.09					
PROSTATECTOMY	0.67	0.72	0.05	0.95	0.07					
CHOLECYSTECTOMY	0.41	0.44	0.04	0.94	0.09					
HYSTERECTOMY	0.15	0.18	0.03	0.85	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, MA (8003)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	16,406	9.2	9.4	0.4	14.2	14.3	0.3	17.9	17.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	623	24.1	23.7	1.8	27.4	26.8	1.8	30.0	29.6	1.9
CONGESTIVE HEART FAILURE	912	13.0	15.1	1.9	21.8	23.8	2.3	28.6	30.2	2.0
PNEUMONIA/INFLUENZA	840	14.9	16.3	1.7	21.8	22.3	1.5	26.8	26.3	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	222	6.8	7.7	1.9	14.0	13.3	2.6	17.1	17.6	2.8
TRANSIENT CEREBRAL ISCHEMIA	200	0.0	1.8	2.2	2.0	4.1	2.9	4.5	6.7	3.6
STROKE	579	19.0	19.6	1.8	25.9	26.5	1.9	30.2	30.4	2.2
HIP FRACTURE	464	5.8	7.0	1.9	10.6	12.4	2.0	14.2	16.1	2.1
SEPSIS	119	26.9	23.1	4.8	31.9	30.7	4.3	33.6	35.2	4.6
PROCEDURES:										
ANGIOPLASTY	133	5.3	2.9	2.3	6.8	4.0	3.1	7.5	5.0	3.8
CORONARY ARTERY BYPASS GRAFT	167	7.8	6.5	2.1	9.6	9.2	2.3	10.2	10.2	2.5
INITIAL PACEMAKER INSERTION	111	4.5	3.4	2.7	7.2	6.5	2.8	10.8	9.3	3.0
CAROTID ENDARTERECTOMY	39	2.6	1.4	*	2.6	2.7	*	5.1	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	293	2.0	3.4	1.7	5.5	6.4	2.8	6.8	8.7	3.3
OPEN REDUCTION OF HIP FRACTURE	221	5.4	6.7	2.7	9.5	12.3	2.6	14.0	16.2	2.6
PROSTATECTOMY	441	0.9	1.2	0.5	2.0	2.8	1.4	5.0	4.7	1.4
CHOLECYSTECTOMY	290	3.8	3.3	1.2	6.6	6.1	1.5	8.6	8.2	1.7
HYSTERECTOMY	140	2.1	0.8	1.7	2.9	1.8	1.8	4.3	3.0	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 94,575

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.99	27.75	0.17	0.94	0.01	4.59	4.73	0.07	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.88	0.03	1.10	0.04					
CONGESTIVE HEART FAILURE	1.75	1.69	0.04	1.04	0.03					
PNEUMONIA/INFLUENZA	1.28	1.28	0.04	**	**					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.52	0.02	0.79	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.38	0.02	0.77	0.04					
STROKE	0.82	0.90	0.03	0.91	0.03					
HIP FRACTURE	0.62	0.65	0.03	0.95	0.04					
SEPSIS	0.19	0.36	0.02	0.52	0.03					
PROCEDURES:										
ANGIOPLASTY	0.23	0.28	0.02	0.83	0.05					
CORONARY ARTERY BYPASS GRAFT	0.30	0.38	0.02	0.80	0.04					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.86	0.06					
CAROTID ENDARTERECTOMY	0.06	0.12	0.01	0.52	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.47	0.02	0.88	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.02	0.93	0.05					
PROSTATECTOMY	0.60	0.71	0.03	0.84	0.03					
CHOLECYSTECTOMY	0.38	0.43	0.02	0.90	0.04					
HYSTERECTOMY	0.17	0.18	0.01	0.94	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

WORCESTER-FITCHBURG-LEOMINSTER, MA (9243)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	20,529	9.1	9.7	0.3	14.3	14.8	0.3	18.0	18.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	720	26.7	25.6	2.0	31.7	28.8	2.9	33.9	31.6	2.6
CONGESTIVE HEART FAILURE	1,126	13.0	15.8	1.5	21.7	24.9	1.7	28.0	31.3	1.8
PNEUMONIA/INFLUENZA	1,000	16.3	17.9	1.7	23.2	24.7	1.8	27.2	29.1	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	216	6.9	7.7	2.1	13.4	13.7	3.1	16.7	18.5	3.2
TRANSIENT CEREBRAL ISCHEMIA	248	2.4	1.8	1.1	3.6	4.0	1.8	6.0	6.5	1.7
STROKE	646	21.5	21.6	1.6	28.0	28.5	2.2	33.1	32.4	2.7
HIP FRACTURE	571	6.0	6.5	1.1	12.4	11.7	1.4	17.3	15.3	1.8
SEPSIS	211	22.3	22.6	3.0	29.9	30.1	3.6	36.0	34.7	3.6
PROCEDURES:										
ANGIOPLASTY	62	3.2	2.8	3.6	3.2	3.9	2.8	4.8	4.9	2.8
CORONARY ARTERY BYPASS GRAFT	186	9.7	6.6	3.4	11.3	9.9	2.8	12.4	11.4	2.6
INITIAL PACEMAKER INSERTION	157	3.8	3.4	2.1	5.7	6.4	2.3	10.2	9.1	2.7
CAROTID ENDARTERECTOMY	67	1.5	1.3	1.5	1.5	2.4	2.3	1.5	3.5	3.1
HIP REPLACEMENT/RECONSTRUCTION	369	3.3	3.4	1.0	6.8	6.4	1.3	8.9	8.6	1.5
OPEN REDUCTION OF HIP FRACTURE	248	4.0	6.2	2.5	12.1	11.4	2.3	16.5	15.1	3.3
PROSTATECTOMY	622	0.6	0.9	0.4	1.6	2.1	0.7	3.4	3.5	0.8
CHOLECYSTECTOMY	316	2.2	2.7	1.3	3.8	5.0	2.0	4.4	6.6	2.3
HYSTERECTOMY	165	0.0	1.0	0.9	1.8	2.2	1.5	3.0	3.2	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 108,220

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.59	26.99	0.16	1.10	0.01	4.73	4.70	0.07	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.87	0.03	1.16	0.04					
CONGESTIVE HEART FAILURE	1.98	1.62	0.04	1.23	0.03					
PNEUMONIA/INFLUENZA	1.41	1.25	0.03	1.13	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.35	0.49	0.02	0.67	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.36	0.02	0.91	0.05					
STROKE	0.83	0.87	0.03	0.94	0.03					
HIP FRACTURE	0.65	0.66	0.02	0.99	0.04					
SEPSIS	0.36	0.34	0.02	1.00	0.05					
PROCEDURES:										
ANGIOPLASTY	0.11	0.27	0.02	0.39	0.02					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.02	0.97	0.05					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.08	0.08					
CAROTID ENDARTERECTOMY	0.09	0.11	0.01	0.71	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.48	0.02	0.94	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.31	0.02	0.86	0.05					
PROSTATECTOMY	0.74	0.71	0.03	1.03	0.04					
CHOLECYSTECTOMY	0.38	0.42	0.02	0.92	0.04					
HYSTERECTOMY	0.17	0.18	0.01	0.94	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

MA-(NONMSA) (99MA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,795	8.9	9.3	0.5	13.6	14.0	0.5	16.7	17.4	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	317	23.3	24.7	2.9	27.4	27.9	2.8	29.0	30.7	3.1
CONGESTIVE HEART FAILURE	473	13.1	14.6	2.3	21.8	23.1	2.4	29.0	29.4	2.2
PNEUMONIA/INFLUENZA	378	14.8	17.0	2.9	21.4	23.2	3.6	23.8	27.4	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	7.8	9.1	3.9	8.8	15.2	5.7	12.7	19.9	6.5
TRANSIENT CEREBRAL ISCHEMIA	82	1.2	1.5	2.2	4.9	3.5	3.1	8.5	5.9	4.0
STROKE	338	18.3	20.9	3.1	26.9	27.7	3.3	30.8	31.6	3.8
HIP FRACTURE	294	5.8	6.6	2.2	8.8	11.7	3.2	11.9	15.3	3.9
SEPSIS	54	20.4	22.2	6.4	25.9	28.3	6.3	27.8	32.4	7.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	62	0.0	3.2	4.0	1.6	5.7	5.4	3.2	8.0	5.9
CAROTID ENDARTERECTOMY	2	0.0	1.7	*	0.0	3.4	*	0.0	5.0	*
HIP REPLACEMENT/RECONSTRUCTION	171	4.7	4.1	1.7	5.8	7.8	2.6	9.4	10.5	3.0
OPEN REDUCTION OF HIP FRACTURE	158	4.4	6.3	3.2	8.2	11.5	5.0	10.1	15.2	6.2
PROSTATECTOMY	369	0.3	0.8	0.7	0.8	2.0	1.2	2.7	3.4	1.1
CHOLECYSTECTOMY	123	4.1	2.8	2.0	5.7	5.1	2.1	5.7	6.6	2.6
HYSTERECTOMY	60	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 62,373

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.81	25.53	0.20	0.97	0.01	4.30	4.55	0.08	0.94	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.84	0.04	**	**					
CONGESTIVE HEART FAILURE	1.49	1.50	0.05	1.01	0.03					
PNEUMONIA/INFLUENZA	1.00	1.12	0.04	0.89	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.33	0.43	0.03	0.83	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.33	0.02	0.66	0.05					
STROKE	0.77	0.85	0.04	0.89	0.04					
HIP FRACTURE	0.61	0.62	0.03	0.97	0.05					
SEPSIS	0.17	0.33	0.02	0.49	0.04					
PROCEDURES:										
ANGIOPLASTY	0.21	0.28	0.02	0.77	0.06					
CORONARY ARTERY BYPASS GRAFT	0.38	0.38	0.02	1.02	0.07					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.69	0.07					
CAROTID ENDARTERECTOMY	0.06	0.10	0.01	0.39	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.48	0.03	1.11	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.02	1.04	0.08					
PROSTATECTOMY	0.82	0.78	0.04	1.06	0.05					
CHOLECYSTECTOMY	0.31	0.40	0.02	0.78	0.05					
HYSTERECTOMY	0.17	0.18	0.02	0.96	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

BALTIMORE, MD (0720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	64,098	8.6	9.2	0.1	13.9	14.1	0.3	17.6	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,797	22.4	26.2	1.3	27.3	29.4	1.4	31.0	32.1	1.8
CONGESTIVE HEART FAILURE	3,200	13.3	14.6	1.1	21.7	23.3	1.4	28.3	29.5	1.4
PNEUMONIA/INFLUENZA	2,398	15.4	15.9	0.8	22.4	21.9	0.9	26.5	25.9	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	928	10.1	9.3	1.1	16.1	16.0	1.4	20.5	20.8	1.8
TRANSIENT CEREBRAL ISCHEMIA	997	2.3	1.7	0.7	4.3	3.7	0.8	5.9	6.0	0.9
STROKE	2,331	19.1	19.6	1.2	25.1	26.1	1.7	29.2	29.8	2.0
HIP FRACTURE	1,300	6.2	6.8	0.9	12.8	12.2	1.0	17.3	15.9	1.5
SEPSIS	829	28.2	26.6	1.7	40.3	35.4	2.2	46.0	40.3	2.3
PROCEDURES:										
ANGIOPLASTY	178	1.1	2.9	1.7	1.7	4.0	2.1	2.8	5.1	2.3
CORONARY ARTERY BYPASS GRAFT	445	7.4	6.4	1.4	9.7	9.5	1.4	11.5	10.8	1.7
INITIAL PACEMAKER INSERTION	341	3.8	3.6	1.3	7.9	6.9	1.7	10.0	9.9	1.8
CAROTID ENDARTERECTOMY	230	1.3	1.6	1.0	2.6	2.9	1.3	3.9	4.3	1.5
HIP REPLACEMENT/RECONSTRUCTION	878	2.8	3.1	0.6	5.7	5.7	0.8	8.2	7.8	1.1
OPEN REDUCTION OF HIP FRACTURE	674	5.3	6.2	1.2	12.5	11.4	1.5	17.1	15.1	2.2
PROSTATECTOMY	2,018	1.1	1.0	0.2	2.3	2.4	0.7	4.1	4.1	0.8
CHOLECYSTECTOMY	965	3.1	3.1	0.7	5.4	5.8	0.8	7.6	7.8	0.9
HYSTERECTOMY	424	1.9	0.8	1.5	3.1	1.9	2.0	4.2	3.0	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 314,237

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.25	27.83	0.09	1.19	0.00	5.03	4.66	0.04	1.08	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.79	0.02	1.23	0.02					
CONGESTIVE HEART FAILURE	2.09	1.78	0.02	1.17	0.02					
PNEUMONIA/INFLUENZA	1.23	1.09	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.47	0.01	1.21	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.38	0.01	1.23	0.04					
STROKE	1.11	0.96	0.02	1.16	0.02					
HIP FRACTURE	0.56	0.54	0.01	1.05	0.03					
SEPSIS	0.48	0.43	0.01	1.11	0.03					
PROCEDURES:										
ANGIOPLASTY	0.21	0.27	0.01	0.75	0.03					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.01	1.01	0.03					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.01	0.80	0.03					
CAROTID ENDARTERECTOMY	0.12	0.11	0.01	1.13	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.39	0.01	0.96	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.01	1.06	0.04					
PROSTATECTOMY	0.83	0.70	0.01	1.18	0.02					
CHOLECYSTECTOMY	0.40	0.38	0.01	1.06	0.03					
HYSTERECTOMY	0.16	0.16	0.01	0.96	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

CUMBERLAND, MD-W VA (1900)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	9,987	8.9	9.7	0.3	13.7	14.6	0.4	16.9	18.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	304	28.6	28.5	3.0	32.2	31.6	3.6	34.9	34.3	3.5
CONGESTIVE HEART FAILURE	554	13.2	15.0	1.9	23.5	23.6	1.8	29.4	29.8	2.0
PNEUMONIA/INFLUENZA	415	14.5	16.6	2.8	20.2	22.8	3.7	24.1	26.8	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	148	9.5	9.1	2.4	15.5	15.8	3.1	19.6	20.6	3.5
TRANSIENT CEREBRAL ISCHEMIA	153	2.6	1.8	2.1	7.8	4.0	2.9	11.1	6.5	3.6
STROKE	395	19.2	19.9	2.6	24.1	27.0	3.4	27.3	30.8	3.8
HIP FRACTURE	209	4.8	6.6	2.8	9.1	11.7	3.2	15.3	15.3	3.4
SEPSIS	136	22.8	27.8	6.1	33.8	36.9	5.4	42.6	42.0	5.1
PROCEDURES:										
ANGIOPLASTY	161	3.7	1.9	1.4	6.2	2.8	1.7	7.5	3.7	1.8
CORONARY ARTERY BYPASS GRAFT	136	2.2	6.0	2.5	5.9	8.9	2.9	7.4	10.2	2.9
INITIAL PACEMAKER INSERTION	65	3.1	3.2	2.3	10.8	6.3	6.6	10.8	9.2	6.5
CAROTID ENDARTERECTOMY	45	6.7	1.7	*	11.1	3.2	*	11.1	4.6	*
HIP REPLACEMENT/RECONSTRUCTION	162	2.5	3.0	1.5	4.3	5.5	2.0	7.4	7.4	2.3
OPEN REDUCTION OF HIP FRACTURE	98	6.1	6.2	2.5	9.2	11.3	3.7	16.3	15.1	4.4
PROSTATECTOMY	190	1.6	1.4	1.6	5.3	3.2	1.9	6.8	5.2	1.9
CHOLECYSTECTOMY	172	4.7	2.9	1.8	7.0	5.2	2.1	7.0	6.8	2.0
HYSTERECTOMY	43	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,724

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	43.45	31.29	0.39	1.39	0.02	4.80	4.60	0.15	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.54	1.06	0.07	1.44	0.10					
CONGESTIVE HEART FAILURE	3.35	1.92	0.10	1.74	0.09					
PNEUMONIA/INFLUENZA	1.94	1.59	0.09	1.22	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.93	0.70	0.06	1.27	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.52	0.47	0.05	1.01	0.11					
STROKE	1.48	0.98	0.07	1.50	0.11					
HIP FRACTURE	0.69	0.64	0.06	1.04	0.09					
SEPSIS	0.63	0.35	0.04	1.85	0.23					
PROCEDURES:										
ANGIOPLASTY	0.23	0.30	0.04	0.79	0.11					
CORONARY ARTERY BYPASS GRAFT	0.52	0.44	0.05	1.11	0.12					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.03	0.96	0.16					
CAROTID ENDARTERECTOMY	0.11	0.16	0.03	0.70	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.48	0.05	1.10	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.04	0.84	0.12					
PROSTATECTOMY	0.55	0.78	0.06	0.68	0.05					
CHOLECYSTECTOMY	0.53	0.56	0.05	0.93	0.09					
HYSTERECTOMY	0.09	0.20	0.03	0.39	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

HAGERSTOWN, MD (3180)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,351	10.1	9.3	0.9	14.7	13.8	1.1	18.2	17.2	1.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	166	28.9	24.2	4.1	35.5	27.5	5.3	40.4	30.4	6.0
CONGESTIVE HEART FAILURE	160	15.0	13.8	4.0	25.6	21.9	5.8	35.6	27.9	7.3
PNEUMONIA/INFLUENZA	196	14.8	15.9	4.0	18.9	21.7	5.4	22.4	25.6	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	81	7.4	5.3	3.3	9.9	9.5	3.7	11.1	13.0	4.1
TRANSIENT CEREBRAL ISCHEMIA	54	1.9	2.0	2.5	3.7	4.5	3.7	3.7	7.4	4.7
STROKE	140	25.7	20.4	5.5	30.7	27.6	5.4	33.6	31.6	4.7
HIP FRACTURE	86	10.5	7.0	4.3	16.3	12.3	5.0	16.3	16.0	4.7
SEPSIS	17	5.9	23.5	*	17.6	33.2	*	29.4	38.5	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	19	5.3	4.5	*	5.3	8.0	*	5.3	11.2	*
CAROTID ENDARTERECTOMY	60	1.7	1.5	1.8	3.3	2.8	2.2	6.7	4.1	3.4
HIP REPLACEMENT/RECONSTRUCTION	54	1.9	2.4	2.3	5.6	4.5	3.0	7.4	6.1	3.5
OPEN REDUCTION OF HIP FRACTURE	28	14.3	7.1	*	21.4	13.0	*	21.4	17.0	*
PROSTATECTOMY	142	1.4	1.0	0.9	2.1	2.2	2.0	4.9	3.8	2.4
CHOLECYSTECTOMY	92	3.3	2.5	1.9	5.4	4.5	2.3	5.4	5.9	2.5
HYSTERECTOMY	25	0.0	0.3	*	0.0	0.8	*	0.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,498

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.07	28.59	0.39	0.91	0.01	4.90	4.50	0.16	1.09	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.27	0.95	0.07	1.34	0.10					
CONGESTIVE HEART FAILURE	1.57	1.72	0.10	0.91	0.05					
PNEUMONIA/INFLUENZA	1.43	1.35	0.09	1.06	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.77	0.58	0.06	1.31	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.40	0.05	0.84	0.10					
STROKE	0.96	0.91	0.07	1.03	0.08					
HIP FRACTURE	0.55	0.61	0.06	0.90	0.09					
SEPSIS	0.19	0.34	0.04	0.55	0.07					
PROCEDURES:										
ANGIOPLASTY	0.19	0.29	0.04	0.65	0.09					
CORONARY ARTERY BYPASS GRAFT	0.35	0.41	0.05	0.87	0.10					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.61	0.11					
CAROTID ENDARTERECTOMY	0.28	0.14	0.03	1.87	0.40					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.46	0.05	0.68	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.29	0.04	0.76	0.11					
PROSTATECTOMY	0.71	0.74	0.06	0.95	0.08					
CHOLECYSTECTOMY	0.57	0.49	0.05	1.16	0.13					
HYSTERECTOMY	0.16	0.19	0.03	0.88	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON, DC-MD-VA (8840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	57,343	8.4	8.8	0.1	13.6	13.6	0.2	17.2	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,302	22.5	25.2	1.4	27.7	28.2	1.5	31.0	30.9	1.7
CONGESTIVE HEART FAILURE	2,816	12.4	14.2	1.0	20.3	22.6	1.1	26.9	28.7	1.0
PNEUMONIA/INFLUENZA	2,124	15.1	16.0	1.0	22.2	21.9	0.9	26.3	25.8	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	788	10.0	9.1	1.3	17.9	15.7	2.1	23.6	20.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	765	1.7	1.8	1.0	2.6	4.0	1.0	4.3	6.4	1.4
STROKE	2,152	19.3	20.1	1.5	25.7	26.5	1.2	29.6	30.2	1.3
HIP FRACTURE	1,413	5.8	6.4	1.0	10.7	11.5	1.4	14.0	14.9	1.6
SEPSIS	744	26.1	26.2	1.7	36.8	34.5	2.2	41.9	39.2	2.3
PROCEDURES:										
ANGIOPLASTY	569	3.0	2.6	0.7	3.9	3.6	0.9	6.5	4.6	1.3
CORONARY ARTERY BYPASS GRAFT	673	5.5	5.1	0.9	7.7	7.4	1.4	8.3	8.5	1.3
INITIAL PACEMAKER INSERTION	345	3.8	3.1	1.1	7.5	6.1	1.8	10.7	8.8	2.2
CAROTID ENDARTERECTOMY	156	1.9	1.2	1.8	3.2	2.3	2.0	4.5	3.4	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,105	1.9	3.1	0.8	4.4	5.7	1.1	6.2	7.7	1.1
OPEN REDUCTION OF HIP FRACTURE	675	6.2	5.9	1.2	11.3	11.0	1.3	14.2	14.6	1.5
PROSTATECTOMY	1,712	0.8	1.0	0.5	2.9	2.3	0.6	4.3	3.8	0.6
CHOLECYSTECTOMY	802	3.6	2.7	1.2	5.5	4.9	1.4	7.2	6.4	1.4
HYSTERECTOMY	439	1.4	0.6	1.2	1.4	1.5	0.9	2.3	2.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 350,190

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.14	25.43	0.08	1.07	0.00	4.54	4.61	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.69	0.01	0.91	0.02					
CONGESTIVE HEART FAILURE	1.68	1.60	0.02	1.05	0.01					
PNEUMONIA/INFLUENZA	1.02	0.90	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.36	0.01	1.18	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.34	0.01	0.98	0.03					
STROKE	0.90	0.90	0.02	**	**					
HIP FRACTURE	0.55	0.53	0.01	1.04	0.02					
SEPSIS	0.39	0.41	0.01	0.96	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.19	0.04					
CORONARY ARTERY BYPASS GRAFT	0.30	0.32	0.01	0.96	0.03					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.76	0.03					
CAROTID ENDARTERECTOMY	0.08	0.07	0.00	1.10	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.37	0.01	1.08	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.27	0.01	0.98	0.03					
PROSTATECTOMY	0.66	0.67	0.01	0.99	0.02					
CHOLECYSTECTOMY	0.31	0.30	0.01	1.05	0.03					
HYSTERECTOMY	0.15	0.15	0.01	1.03	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, DE-NJ-MD (9160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,021	8.4	9.0	0.3	13.3	13.6	0.3	17.2	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	503	22.7	24.8	4.0	26.2	28.0	3.9	30.6	30.9	3.7
CONGESTIVE HEART FAILURE	748	13.4	13.8	1.4	21.5	22.0	1.9	27.8	28.0	2.6
PNEUMONIA/INFLUENZA	541	14.4	15.5	1.6	18.1	21.2	2.0	21.6	24.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	192	5.7	8.3	3.3	14.1	14.6	3.2	19.3	19.3	3.0
TRANSIENT CEREBRAL ISCHEMIA	209	1.4	1.8	1.0	4.3	4.1	1.6	6.7	6.6	2.3
STROKE	535	20.6	20.3	1.8	26.9	26.4	2.1	31.4	30.0	2.5
HIP FRACTURE	334	7.8	6.6	2.1	12.3	11.7	2.1	15.6	15.2	2.1
SEPSIS	217	28.1	26.9	4.2	37.8	35.2	5.3	43.3	39.9	6.1
PROCEDURES:										
ANGIOPLASTY	119	0.0	2.9	2.0	0.8	4.0	2.4	1.7	5.0	2.8
CORONARY ARTERY BYPASS GRAFT	166	4.8	6.6	2.5	8.4	9.4	2.4	10.2	10.6	2.5
INITIAL PACEMAKER INSERTION	100	3.0	3.3	1.8	7.0	6.4	2.6	17.0	9.0	5.9
CAROTID ENDARTERECTOMY	55	1.8	1.3	1.8	5.5	2.4	3.4	5.5	3.5	3.8
HIP REPLACEMENT/RECONSTRUCTION	257	5.1	3.3	1.5	7.8	6.1	1.8	10.5	8.2	2.3
OPEN REDUCTION OF HIP FRACTURE	173	7.5	6.1	2.0	11.0	11.1	2.4	13.9	14.6	2.9
PROSTATECTOMY	473	0.6	0.9	0.5	1.5	2.1	0.9	2.3	3.5	1.3
CHOLECYSTECTOMY	257	2.3	2.6	1.3	5.8	4.8	2.0	7.8	6.6	2.6
HYSTERECTOMY	108	3.7	0.6	3.2	3.7	1.3	2.4	4.6	2.0	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 74,848

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.85	26.66	0.19	1.08	0.01	4.71	4.51	0.08	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.80	0.03	1.31	0.05					
CONGESTIVE HEART FAILURE	1.80	1.64	0.05	1.10	0.03					
PNEUMONIA/INFLUENZA	1.06	1.07	0.04	1.00	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.47	0.02	1.11	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.36	0.02	1.14	0.07					
STROKE	0.98	0.89	0.03	1.09	0.04					
HIP FRACTURE	0.57	0.54	0.03	1.03	0.05					
SEPSIS	0.44	0.39	0.02	1.13	0.07					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.02	0.86	0.06					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.03	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.91	0.08					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	1.07	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.40	0.02	1.11	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.28	0.02	0.98	0.07					
PROSTATECTOMY	0.83	0.72	0.03	1.15	0.05					
CHOLECYSTECTOMY	0.45	0.39	0.02	1.15	0.07					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

MD-(NONMSA) (99MD)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,639	9.0	9.3	0.3	14.0	14.1	0.4	17.5	17.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	396	24.5	23.8	2.5	27.8	26.8	3.1	30.8	29.6	3.5
CONGESTIVE HEART FAILURE	627	13.1	14.3	1.7	23.3	22.6	1.8	30.9	28.8	2.5
PNEUMONIA/INFLUENZA	430	15.1	15.2	2.4	21.2	20.9	2.8	25.1	24.7	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	247	7.3	8.9	2.6	11.3	15.6	4.5	19.4	20.5	4.7
TRANSIENT CEREBRAL ISCHEMIA	202	1.5	1.7	0.9	5.0	3.8	1.6	8.9	6.0	2.6
STROKE	410	15.6	19.5	3.0	20.7	26.2	3.5	24.9	30.0	3.5
HIP FRACTURE	220	5.5	6.7	2.4	10.5	11.8	2.4	16.4	15.3	2.6
SEPSIS	154	23.4	27.4	5.4	30.5	34.6	6.1	33.1	39.1	6.5
PROCEDURES:										
ANGIOPLASTY	87	3.4	3.9	2.5	3.4	5.0	3.2	4.6	6.0	4.0
CORONARY ARTERY BYPASS GRAFT	97	3.1	6.6	3.6	4.1	9.5	4.0	5.2	10.8	4.1
INITIAL PACEMAKER INSERTION	70	4.3	3.6	4.0	8.6	6.8	4.5	12.9	9.5	5.6
CAROTID ENDARTERECTOMY	78	1.3	1.7	1.9	1.3	3.1	2.9	2.6	4.5	3.6
HIP REPLACEMENT/RECONSTRUCTION	133	1.5	3.2	2.0	5.3	5.9	2.1	8.3	8.0	2.4
OPEN REDUCTION OF HIP FRACTURE	125	4.8	6.4	3.2	8.8	11.4	4.0	14.4	15.0	3.9
PROSTATECTOMY	274	0.7	1.3	0.9	2.2	3.0	1.5	3.3	5.0	2.2
CHOLECYSTECTOMY	194	3.1	2.9	1.5	5.2	5.5	2.1	5.7	7.4	2.5
HYSTERECTOMY	79	0.0	0.8	1.3	1.3	1.8	1.8	1.3	2.8	3.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 57,903

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.45	28.70	0.22	0.99	0.01	4.56	4.72	0.09	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.86	0.04	1.15	0.05					
CONGESTIVE HEART FAILURE	2.01	1.76	0.06	1.21	0.04					
PNEUMONIA/INFLUENZA	1.10	1.28	0.05	0.85	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.52	0.03	1.46	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.38	0.03	1.24	0.09					
STROKE	0.92	0.99	0.04	0.98	0.04					
HIP FRACTURE	0.46	0.56	0.03	0.92	0.05					
SEPSIS	0.38	0.40	0.03	0.97	0.07					
PROCEDURES:										
ANGIOPLASTY	0.26	0.28	0.02	1.07	0.10					
CORONARY ARTERY BYPASS GRAFT	0.30	0.38	0.03	0.79	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.02	0.77	0.08					
CAROTID ENDARTERECTOMY	0.14	0.11	0.01	1.28	0.20					
HIP REPLACEMENT/RECONSTRUCTION	0.30	0.40	0.03	0.85	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.28	0.02	1.00	0.09					
PROSTATECTOMY	0.63	0.77	0.04	0.83	0.04					
CHOLECYSTECTOMY	0.39	0.43	0.03	1.02	0.07					
HYSTERECTOMY	0.18	0.17	0.02	1.06	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

BANGOR, ME (0733)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,314	9.2	9.0	0.7	14.0	13.7	0.7	17.6	17.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	154	25.3	24.3	3.8	26.6	27.1	3.9	28.6	29.7	4.1
CONGESTIVE HEART FAILURE	201	15.4	14.0	3.2	24.4	22.4	3.4	27.9	28.6	3.3
PNEUMONIA/INFLUENZA	170	11.8	14.4	3.6	20.6	20.1	3.2	26.5	23.9	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	86	7.0	7.5	3.4	10.5	13.3	5.5	11.6	17.8	6.9
TRANSIENT CEREBRAL ISCHEMIA	44	0.0	1.8	*	2.3	3.8	*	6.8	6.0	*
STROKE	123	17.1	22.0	5.8	27.6	28.5	6.5	30.9	32.2	7.2
HIP FRACTURE	131	9.9	6.3	3.2	14.5	11.2	3.4	16.8	14.6	3.4
SEPSIS	39	25.6	24.1	*	33.3	33.8	*	41.0	39.2	*
PROCEDURES:										
ANGIOPLASTY	28	3.6	1.8	*	3.6	2.5	*	3.6	3.3	*
CORONARY ARTERY BYPASS GRAFT	92	2.2	5.2	2.9	3.3	7.6	3.9	3.3	8.7	4.2
INITIAL PACEMAKER INSERTION	40	2.5	2.5	*	2.5	5.4	*	5.0	8.3	*
CAROTID ENDARTERECTOMY	28	0.0	1.4	*	0.0	2.6	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	125	3.2	3.1	1.6	4.8	6.1	2.5	6.4	8.5	3.2
OPEN REDUCTION OF HIP FRACTURE	64	4.7	5.5	3.3	7.8	10.1	4.6	10.9	13.5	4.9
PROSTATECTOMY	116	0.0	1.1	1.4	0.0	2.5	2.6	0.9	4.2	3.4
CHOLECYSTECTOMY	82	3.7	2.7	2.1	7.3	5.1	3.1	7.3	6.9	3.2
HYSTERECTOMY	27	0.0	0.5	*	0.0	1.1	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,352

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.40	29.54	0.38	0.93	0.01	4.92	4.69	0.15	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.08	0.98	0.07	1.10	0.08					
CONGESTIVE HEART FAILURE	1.74	1.78	0.09	0.98	0.05					
PNEUMONIA/INFLUENZA	1.21	1.54	0.09	0.78	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.84	0.67	0.06	1.26	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.41	0.04	0.62	0.07					
STROKE	0.74	0.92	0.07	0.80	0.06					
HIP FRACTURE	0.61	0.64	0.06	0.96	0.08					
SEPSIS	0.26	0.36	0.04	0.73	0.09					
PROCEDURES:										
ANGIOPLASTY	0.11	0.31	0.04	0.55	0.07					
CORONARY ARTERY BYPASS GRAFT	0.36	0.40	0.04	0.89	0.10					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.03	0.91	0.14					
CAROTID ENDARTERECTOMY	0.14	0.16	0.03	0.88	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.47	0.05	1.01	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.04	0.89	0.11					
PROSTATECTOMY	0.55	0.74	0.06	0.74	0.06					
CHOLECYSTECTOMY	0.45	0.51	0.05	0.88	0.09					
HYSTERECTOMY	0.11	0.19	0.03	0.62	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

LEWISTON-AUBURN, ME (4243)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	3,463	9.2	8.4	0.7	14.1	13.3	0.7	16.9	16.9	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	88	34.1	27.9	8.6	39.8	31.2	10.0	40.9	34.0	10.0
CONGESTIVE HEART FAILURE	193	18.7	14.6	3.1	24.4	23.0	3.1	29.5	29.1	3.5
PNEUMONIA/INFLUENZA	129	14.7	15.1	3.7	24.0	21.0	4.1	26.4	24.9	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	79	10.1	8.5	4.1	17.7	14.5	5.2	20.3	19.0	5.7
TRANSIENT CEREBRAL ISCHEMIA	45	4.4	1.7	*	6.7	3.9	*	8.9	6.5	*
STROKE	120	23.3	19.5	5.6	29.2	25.6	6.5	32.5	29.2	5.7
HIP FRACTURE	95	2.1	6.6	3.6	7.4	11.5	4.8	9.5	14.7	4.9
SEPSIS	29	37.9	28.3	*	44.8	35.5	*	51.7	40.2	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	28	0.0	3.5	*	0.0	6.9	*	0.0	9.9	*
CAROTID ENDARTERECTOMY	27	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION	64	3.1	3.6	2.6	4.7	6.4	3.4	7.8	8.3	3.6
OPEN REDUCTION OF HIP FRACTURE	53	0.0	6.4	5.2	7.5	11.7	7.3	7.5	15.2	7.2
PROSTATECTOMY	110	0.9	0.7	1.0	1.8	1.5	1.5	1.8	2.6	1.7
CHOLECYSTECTOMY	60	3.3	2.9	2.6	3.3	5.7	3.9	5.0	7.8	4.4
HYSTERECTOMY	27	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,771

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	29.52	29.16	0.42	1.01	0.01	5.27	4.74	0.17	1.11	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.94	0.07	1.08	0.09					
CONGESTIVE HEART FAILURE	1.85	1.75	0.10	1.07	0.06					
PNEUMONIA/INFLUENZA	1.10	1.48	0.09	0.75	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.75	0.61	0.06	1.24	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.40	0.05	0.73	0.09					
STROKE	0.84	0.91	0.07	0.92	0.08					
HIP FRACTURE	0.61	0.66	0.06	0.91	0.09					
SEPSIS	0.26	0.34	0.05	0.82	0.12					
PROCEDURES:										
ANGIOPLASTY	0.47	0.28	0.04	1.55	0.25					
CORONARY ARTERY BYPASS GRAFT	0.52	0.38	0.05	1.38	0.19					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.03	1.01	0.20					
CAROTID ENDARTERECTOMY	0.17	0.13	0.03	1.27	0.31					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.47	0.05	1.03	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.30	0.04	1.19	0.18					
PROSTATECTOMY	0.77	0.69	0.06	1.06	0.10					
CHOLECYSTECTOMY	0.40	0.48	0.05	0.83	0.10					
HYSTERECTOMY	0.21	0.18	0.03	1.03	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

PORTLAND, ME (6403)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12,641	8.5	8.8	0.3	13.3	13.4	0.4	16.7	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	547	23.8	26.6	2.7	26.1	29.8	2.9	28.2	32.7	3.1
CONGESTIVE HEART FAILURE	579	13.0	14.9	1.8	20.4	23.5	2.7	28.2	29.7	2.7
PNEUMONIA/INFLUENZA	499	14.2	14.4	1.6	21.0	20.0	1.9	24.2	23.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	198	8.6	7.4	2.0	15.2	13.3	2.8	18.2	17.7	3.3
TRANSIENT CEREBRAL ISCHEMIA	118	0.8	1.9	1.8	1.7	4.1	3.2	2.5	6.5	4.4
STROKE	407	20.1	19.9	2.8	29.2	26.9	3.0	31.7	30.7	2.5
HIP FRACTURE	329	6.1	6.2	2.8	9.4	11.2	2.8	11.9	14.7	3.1
SEPSIS	87	21.8	27.3	7.0	26.4	35.6	7.7	31.0	40.4	7.6
PROCEDURES:										
ANGIOPLASTY	182	1.6	2.8	1.7	2.2	3.9	2.1	2.7	4.9	2.2
CORONARY ARTERY BYPASS GRAFT	255	9.0	6.3	3.2	12.9	9.5	3.6	14.1	10.9	3.6
INITIAL PACEMAKER INSERTION	80	5.0	3.4	2.5	11.2	6.5	4.6	13.7	9.4	5.0
CAROTID ENDARTERECTOMY	54	5.6	1.6	3.9	11.1	2.9	4.7	11.1	4.2	4.5
HIP REPLACEMENT/RECONSTRUCTION	255	2.7	3.2	1.4	5.5	6.0	1.6	7.1	8.3	2.0
OPEN REDUCTION OF HIP FRACTURE	157	5.7	5.9	2.3	10.2	11.0	3.1	12.1	14.6	3.9
PROSTATECTOMY	288	1.7	0.9	0.8	2.4	2.0	0.9	2.4	3.5	1.5
CHOLECYSTECTOMY	187	3.2	2.6	1.9	5.9	4.7	2.5	7.5	6.1	2.4
HYSTERECTOMY	120	0.0	1.0	1.2	0.0	2.3	2.2	0.8	3.7	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 64,581

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.08	27.07	0.20	1.04	0.01	4.68	4.66	0.08	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.20	0.88	0.04	1.36	0.06					
CONGESTIVE HEART FAILURE	1.68	1.61	0.05	1.04	0.03					
PNEUMONIA/INFLUENZA	1.10	1.26	0.04	0.87	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.49	0.03	1.21	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.36	0.02	0.79	0.06					
STROKE	0.78	0.87	0.04	0.88	0.04					
HIP FRACTURE	0.63	0.65	0.03	0.96	0.05					
SEPSIS	0.26	0.34	0.02	0.79	0.06					
PROCEDURES:										
ANGIOPLASTY	0.26	0.27	0.02	0.97	0.08					
CORONARY ARTERY BYPASS GRAFT	0.40	0.38	0.02	1.06	0.07					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.02	0.73	0.07					
CAROTID ENDARTERECTOMY	0.09	0.11	0.01	0.81	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.48	0.03	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.31	0.02	0.91	0.07					
PROSTATECTOMY	0.61	0.72	0.03	0.86	0.04					
CHOLECYSTECTOMY	0.33	0.43	0.03	0.76	0.05					
HYSTERECTOMY	0.19	0.18	0.02	1.05	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

ME-(NONMSA) (99ME)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,495	9.3	9.0	0.3	13.8	13.7	0.3	17.0	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	625	22.7	23.8	2.0	28.3	26.8	2.9	30.9	29.6	2.2
CONGESTIVE HEART FAILURE	816	14.0	14.8	1.3	21.6	23.1	1.9	26.5	29.4	2.5
PNEUMONIA/INFLUENZA	875	13.9	14.8	2.0	18.3	20.5	2.3	22.3	24.4	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	362	5.8	8.3	2.2	10.5	14.3	3.3	14.6	18.8	3.6
TRANSIENT CEREBRAL ISCHEMIA	137	3.6	1.7	1.9	4.4	3.8	2.0	6.6	6.1	2.1
STROKE	459	20.9	20.3	2.1	27.0	26.5	2.2	30.1	30.3	2.2
HIP FRACTURE	399	5.3	6.2	1.5	8.5	11.3	2.1	11.3	14.8	2.6
SEPSIS	137	24.8	26.8	4.1	32.1	34.9	5.1	35.8	39.8	5.9
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	56	3.6	2.8	2.4	7.1	5.3	3.9	7.1	7.7	7.5
CAROTID ENDARTERECTOMY	55	1.8	1.2	2.9	3.6	2.2	3.4	3.6	3.3	3.2
HIP REPLACEMENT/RECONSTRUCTION	265	3.8	3.0	1.3	5.7	5.8	1.4	7.5	7.9	1.8
OPEN REDUCTION OF HIP FRACTURE	179	4.5	6.1	2.1	7.8	11.3	3.2	11.2	15.2	4.1
PROSTATECTOMY	403	2.0	0.8	1.1	2.2	1.8	0.9	4.5	3.1	1.4
CHOLECYSTECTOMY	241	4.1	2.3	1.6	5.8	4.2	1.7	7.5	5.6	1.9
HYSTERECTOMY	99	1.0	0.9	1.0	1.0	1.9	1.5	1.0	3.0	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 91,022

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.51	28.81	0.18	0.99	0.01	4.75	4.71	0.07	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.14	0.95	0.03	1.18	0.04					
CONGESTIVE HEART FAILURE	1.67	1.68	0.04	0.99	0.03					
PNEUMONIA/INFLUENZA	1.43	1.49	0.04	0.98	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.68	0.58	0.03	1.17	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.38	0.02	0.60	0.04					
STROKE	0.75	0.90	0.03	0.84	0.03					
HIP FRACTURE	0.58	0.64	0.03	0.89	0.04					
SEPSIS	0.25	0.33	0.02	0.73	0.05					
PROCEDURES:										
ANGIOPLASTY	0.17	0.28	0.02	0.61	0.05					
CORONARY ARTERY BYPASS GRAFT	0.30	0.40	0.02	0.74	0.05					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.01	0.79	0.08					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.93	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.48	0.02	0.87	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.30	0.02	0.87	0.06					
PROSTATECTOMY	0.68	0.77	0.03	0.87	0.04					
CHOLECYSTECTOMY	0.39	0.49	0.02	0.80	0.04					
HYSTERECTOMY	0.16	0.18	0.01	0.93	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

ANN ARBOR, MI (0440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,198	7.7	8.3	0.3	12.0	12.9	0.4	15.3	16.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	295	21.7	25.3	3.2	24.4	28.5	3.5	27.5	31.2	3.7
CONGESTIVE HEART FAILURE	443	14.7	14.4	2.9	24.2	22.7	2.3	29.3	28.9	2.3
PNEUMONIA/INFLUENZA	264	15.5	15.8	2.6	20.1	21.8	3.3	25.4	25.9	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	91	8.8	10.3	3.5	15.4	17.4	4.3	20.9	22.8	4.7
TRANSIENT CEREBRAL ISCHEMIA	93	1.1	1.7	1.4	1.1	3.9	2.9	2.2	6.4	3.8
STROKE	303	23.1	20.7	3.2	29.4	28.2	3.1	33.7	32.3	3.1
HIP FRACTURE	178	6.2	7.2	2.0	9.6	12.8	3.1	14.6	16.7	3.2
SEPSIS	111	35.1	28.6	8.0	40.5	36.7	7.8	46.8	41.3	7.6
PROCEDURES:										
ANGIOPLASTY	271	1.5	2.6	1.8	2.6	3.6	1.9	4.4	4.6	2.0
CORONARY ARTERY BYPASS GRAFT	311	8.7	5.4	2.2	11.6	7.8	2.7	12.5	8.8	2.6
INITIAL PACEMAKER INSERTION	85	3.5	2.2	2.5	5.9	4.4	3.3	7.1	6.5	3.9
CAROTID ENDARTERECTOMY	56	0.0	1.5	*	0.0	2.7	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	208	1.9	2.3	1.2	1.9	4.3	2.4	4.3	5.8	2.1
OPEN REDUCTION OF HIP FRACTURE	100	5.0	6.5	2.9	8.0	12.0	4.6	14.0	15.9	4.9
PROSTATECTOMY	319	0.6	0.7	0.5	0.9	1.6	1.5	2.5	2.7	1.9
CHOLECYSTECTOMY	158	2.5	2.9	1.4	5.1	5.4	1.9	5.7	7.3	2.4
HYSTERECTOMY	123	0.8	0.7	0.8	1.6	1.6	1.2	2.4	2.5	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,761

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.26	26.95	0.33	1.01	0.01	4.53	4.75	0.14	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.78	0.06	1.15	0.08					
CONGESTIVE HEART FAILURE	1.73	1.65	0.08	1.05	0.05					
PNEUMONIA/INFLUENZA	1.01	1.14	0.07	0.89	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.31	0.46	0.04	0.65	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.34	0.04	1.04	0.12					
STROKE	0.96	0.89	0.06	1.08	0.07					
HIP FRACTURE	0.62	0.60	0.05	1.02	0.08					
SEPSIS	0.38	0.38	0.04	1.03	0.11					
PROCEDURES:										
ANGIOPLASTY	0.38	0.26	0.03	1.42	0.18					
CORONARY ARTERY BYPASS GRAFT	0.33	0.34	0.04	0.98	0.11					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.03	0.89	0.14					
CAROTID ENDARTERECTOMY	0.08	0.10	0.02	0.80	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.41	0.04	1.13	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.03	1.16	0.14					
PROSTATECTOMY	0.70	0.63	0.05	1.10	0.09					
CHOLECYSTECTOMY	0.35	0.38	0.04	0.92	0.10					
HYSTERECTOMY	0.21	0.16	0.03	1.19	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

BATTLE CREEK, MI (0780)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,814	9.5	9.8	0.5	14.3	14.4	0.7	17.8	17.8	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	103	23.3	28.9	6.0	25.2	32.3	6.2	31.1	35.3	5.7
CONGESTIVE HEART FAILURE	239	15.9	14.2	3.0	25.9	22.8	3.8	32.2	28.9	4.1
PNEUMONIA/INFLUENZA	270	16.7	15.4	2.9	21.9	21.0	2.8	26.3	24.8	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	68	2.9	9.2	4.0	5.9	15.7	5.8	5.9	20.4	6.6
TRANSIENT CEREBRAL ISCHEMIA	51	0.0	1.6	2.4	3.9	3.6	3.0	7.8	6.0	4.3
STROKE	159	19.5	19.6	3.6	23.9	25.0	3.6	30.2	28.4	3.8
HIP FRACTURE	107	13.1	6.6	4.0	16.8	11.3	4.7	23.4	14.5	5.4
SEPSIS	58	12.1	25.9	8.5	24.1	33.7	8.0	25.9	38.0	8.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	35	5.7	4.2	*	8.6	7.3	*	11.4	10.1	*
CAROTID ENDARTERECTOMY	34	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	62	3.2	2.8	4.5	9.7	5.1	6.0	11.3	6.9	7.3
OPEN REDUCTION OF HIP FRACTURE	64	10.9	6.1	4.6	14.1	10.8	4.8	21.9	14.1	6.8
PROSTATECTOMY	144	2.8	0.9	1.3	4.2	2.2	1.7	4.9	3.7	2.3
CHOLECYSTECTOMY	95	4.2	1.8	2.6	6.3	3.5	3.7	7.4	4.9	4.0
HYSTERECTOMY	25	0.0	0.9	*	0.0	1.8	*	0.0	2.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,463

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.48	29.86	0.37	0.92	0.01	4.69	4.75	0.15	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.93	0.07	0.98	0.07					
CONGESTIVE HEART FAILURE	1.78	1.86	0.09	0.96	0.05					
PNEUMONIA/INFLUENZA	1.58	1.45	0.08	1.09	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.63	0.05	0.84	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.41	0.04	0.73	0.08					
STROKE	0.88	0.96	0.07	0.91	0.06					
HIP FRACTURE	0.62	0.60	0.05	1.03	0.09					
SEPSIS	0.41	0.39	0.04	1.09	0.12					
PROCEDURES:										
ANGIOPLASTY	0.48	0.30	0.04	1.50	0.19					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.04	1.04	0.11					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.03	1.28	0.20					
CAROTID ENDARTERECTOMY	0.17	0.14	0.03	1.32	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.43	0.04	1.00	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.04	1.17	0.15					
PROSTATECTOMY	0.70	0.73	0.06	0.96	0.08					
CHOLECYSTECTOMY	0.50	0.48	0.05	1.00	0.10					
HYSTERECTOMY	0.16	0.18	0.03	0.88	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

BENTON HARBOR, MI (0870)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES..................................	4,326	9.9	9.4	0.5	14.3	14.1	0.6	17.6	17.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	116	25.9	24.9	4.7	27.6	27.7	4.2	30.2	30.3	4.3
CONGESTIVE HEART FAILURE...................	269	17.5	14.8	2.7	23.4	23.0	2.6	27.9	29.3	2.9
PNEUMONIA/INFLUENZA........................	233	17.6	15.2	2.9	22.3	20.9	2.8	27.5	24.6	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS........	52	3.8	8.3	5.3	5.8	13.9	6.6	11.5	18.2	7.4
TRANSIENT CEREBRAL ISCHEMIA.................	78	0.0	1.8	2.1	0.0	4.1	3.9	0.0	6.6	5.7
STROKE.....................................	206	22.8	19.6	3.7	31.1	26.6	3.9	35.9	30.6	4.4
HIP FRACTURE...............................	128	8.6	6.3	3.3	14.8	11.2	5.4	18.8	14.5	5.4
SEPSIS......................................	71	25.4	27.3	5.8	33.8	34.9	7.0	39.4	39.4	7.1
PROCEDURES:										
ANGIOPLASTY.................................	95	2.1	2.6	2.7	2.1	3.4	3.0	3.2	4.3	3.6
CORONARY ARTERY BYPASS GRAFT................	52	7.7	4.2	4.9	9.6	5.8	7.1	13.5	6.6	7.3
INITIAL PACEMAKER INSERTION.................	31	0.0	2.3	*	3.2	4.6	*	3.2	6.9	*
CAROTID ENDARTERECTOMY......................	13	0.0	1.3	*	0.0	2.5	*	7.7	3.8	*
HIP REPLACEMENT/RECONSTRUCTION..............	79	6.3	2.8	3.1	6.3	5.2	4.5	8.9	6.9	3.8
OPEN REDUCTION OF HIP FRACTURE..............	68	4.4	6.2	4.7	13.2	11.4	4.4	17.6	15.0	4.9
PROSTATECTOMY..............................	136	1.5	0.9	1.3	3.7	2.2	2.3	5.1	3.7	3.3
CHOLECYSTECTOMY.............................	95	2.1	2.4	2.7	3.2	4.7	4.0	3.2	6.6	4.7
HYSTERECTOMY................................	32	3.1	0.5	*	6.3	1.0	*	9.4	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,236

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES....................................	27.77	29.32	0.33	0.95	0.01	4.62	4.61	0.13	1.00	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.................	0.74	0.91	0.06	0.80	0.05					
CONGESTIVE HEART FAILURE....................	1.74	1.80	0.08	0.97	0.04					
PNEUMONIA/INFLUENZA.........................	1.26	1.37	0.07	0.93	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.35	0.59	0.05	0.61	0.05					
TRANSIENT CEREBRAL ISCHEMIA.................	0.40	0.40	0.04	1.02	0.10					
STROKE......................................	1.12	0.96	0.06	1.17	0.07					
HIP FRACTURE................................	0.62	0.57	0.05	1.07	0.09					
SEPSIS......................................	0.40	0.39	0.04	1.04	0.11					
PROCEDURES:										
ANGIOPLASTY.................................	0.67	0.30	0.03	2.24	0.26					
CORONARY ARTERY BYPASS GRAFT................	0.53	0.40	0.04	1.36	0.13					
INITIAL PACEMAKER INSERTION.................	0.15	0.20	0.03	0.77	0.11					
CAROTID ENDARTERECTOMY......................	0.08	0.14	0.02	0.62	0.11					
HIP REPLACEMENT/RECONSTRUCTION..............	0.41	0.43	0.04	0.94	0.09					
OPEN REDUCTION OF HIP FRACTURE..............	0.33	0.28	0.03	1.17	0.14					
PROSTATECTOMY...............................	0.66	0.75	0.05	0.86	0.06					
CHOLECYSTECTOMY.............................	0.47	0.48	0.04	0.99	0.09					
HYSTERECTOMY................................	0.18	0.18	0.03	1.08	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

DETROIT, MI (2160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	102,051	10.0	10.1	0.1	15.7	15.2	0.3	19.4	18.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,251	25.7	25.3	1.0	29.8	28.4	1.3	32.7	31.1	1.5
CONGESTIVE HEART FAILURE	6,269	13.7	14.7	0.9	22.9	23.3	0.7	29.3	29.6	0.7
PNEUMONIA/INFLUENZA	3,889	17.7	16.9	0.8	25.6	23.1	1.1	30.1	27.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,389	8.5	10.8	1.3	15.6	17.8	1.5	20.9	22.9	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,786	2.1	1.9	0.6	4.1	4.1	0.5	7.0	6.6	0.7
STROKE	4,436	17.9	19.5	0.8	25.9	26.5	0.8	30.0	30.3	0.8
HIP FRACTURE	2,284	7.7	7.2	0.6	14.8	12.5	1.0	18.6	16.1	1.1
SEPSIS	1,475	26.6	27.1	1.3	40.2	36.5	2.3	45.8	41.5	2.4
PROCEDURES:										
ANGIOPLASTY	878	4.2	3.3	1.0	5.2	4.3	1.1	6.4	5.2	1.2
CORONARY ARTERY BYPASS GRAFT	1,494	4.9	5.7	1.0	7.1	7.9	1.0	8.5	8.9	0.9
INITIAL PACEMAKER INSERTION	729	4.0	3.5	1.2	8.9	6.9	1.9	11.2	9.9	2.1
CAROTID ENDARTERECTOMY	654	0.9	1.7	0.7	2.0	3.1	0.8	3.1	4.5	1.2
HIP REPLACEMENT/RECONSTRUCTION	1,779	3.4	3.2	0.7	7.0	6.0	1.1	8.9	8.0	1.3
OPEN REDUCTION OF HIP FRACTURE	1,236	7.5	6.7	0.8	14.7	12.1	1.3	18.4	15.8	1.6
PROSTATECTOMY	3,539	0.8	0.9	0.2	2.4	2.2	0.4	3.7	3.6	0.3
CHOLECYSTECTOMY	1,825	2.7	2.7	0.8	4.4	4.9	0.8	5.8	6.5	1.0
HYSTERECTOMY	889	0.9	0.6	0.6	2.2	1.4	1.5	2.5	2.3	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 540,391

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.67	27.26	0.07	1.13	0.00	5.17	4.54	0.03	1.14	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.79	0.01	1.20	0.02					
CONGESTIVE HEART FAILURE	2.24	1.72	0.02	1.30	0.01					
PNEUMONIA/INFLUENZA	1.12	1.12	0.01	1.01	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.49	0.01	1.02	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.37	0.01	1.27	0.03					
STROKE	1.19	0.91	0.01	1.30	0.02					
HIP FRACTURE	0.57	0.52	0.01	1.08	0.02					
SEPSIS	0.50	0.39	0.01	1.28	0.03					
PROCEDURES:										
ANGIOPLASTY	0.29	0.26	0.01	1.12	0.03					
CORONARY ARTERY BYPASS GRAFT	0.47	0.36	0.01	1.33	0.03					
INITIAL PACEMAKER INSERTION	0.20	0.19	0.01	1.04	0.03					
CAROTID ENDARTERECTOMY	0.17	0.11	0.00	1.58	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.40	0.01	1.07	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.26	0.01	1.19	0.03					
PROSTATECTOMY	0.83	0.70	0.01	1.19	0.02					
CHOLECYSTECTOMY	0.43	0.39	0.01	1.11	0.02					
HYSTERECTOMY	0.20	0.16	0.01	1.19	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

FLINT, MI (2640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	10,837	8.5	8.9	0.4	13.7	13.7	0.7	17.0	17.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	323	26.6	23.7	2.6	29.4	26.9	2.6	32.8	29.7	2.8
CONGESTIVE HEART FAILURE	663	13.7	14.3	1.7	23.8	22.8	1.9	31.4	29.1	2.6
PNEUMONIA/INFLUENZA	379	12.7	15.6	2.1	18.5	21.4	2.8	23.5	25.2	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	178	8.4	10.8	3.7	18.0	17.8	3.5	23.6	22.7	3.5
TRANSIENT CEREBRAL ISCHEMIA	204	1.0	2.1	1.3	4.9	4.7	2.2	6.4	7.6	2.7
STROKE	378	15.1	18.3	2.6	23.0	25.4	3.0	25.1	29.2	3.3
HIP FRACTURE	211	7.1	7.1	2.1	10.4	12.6	2.7	14.7	16.2	2.8
SEPSIS	104	31.7	23.2	8.3	35.6	29.8	6.8	39.4	34.0	6.6
PROCEDURES:										
ANGIOPLASTY	81	1.2	3.0	3.7	1.2	3.9	4.1	2.5	4.9	4.2
CORONARY ARTERY BYPASS GRAFT	176	3.4	5.6	2.8	5.7	7.9	2.9	5.7	8.9	3.0
INITIAL PACEMAKER INSERTION	64	6.3	2.6	3.6	6.3	5.0	4.1	10.9	7.4	4.2
CAROTID ENDARTERECTOMY	149	2.0	1.7	1.1	4.7	3.2	1.9	5.4	4.7	2.0
HIP REPLACEMENT/RECONSTRUCTION	183	3.3	2.9	1.3	3.3	5.3	2.4	5.5	7.1	2.4
OPEN REDUCTION OF HIP FRACTURE	118	5.9	6.8	2.7	11.9	12.4	3.1	17.8	16.3	3.5
PROSTATECTOMY	403	0.5	0.8	0.5	1.0	1.8	0.9	1.5	3.2	1.3
CHOLECYSTECTOMY	164	4.3	2.8	2.0	6.7	5.3	2.1	6.7	7.1	2.1
HYSTERECTOMY	110	1.8	0.5	1.5	3.6	1.0	2.6	3.6	1.6	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 63,918

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.73	28.64	0.21	1.04	0.01	4.65	4.58	0.08	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.91	0.85	0.04	1.07	0.05					
CONGESTIVE HEART FAILURE	2.19	1.79	0.05	1.22	0.04					
PNEUMONIA/INFLUENZA	1.04	1.28	0.04	0.81	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.58	0.03	0.89	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.38	0.02	1.29	0.08					
STROKE	0.86	0.91	0.04	0.94	0.04					
HIP FRACTURE	0.46	0.55	0.03	0.84	0.04					
SEPSIS	0.27	0.38	0.02	0.69	0.04					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.02	0.86	0.07					
CORONARY ARTERY BYPASS GRAFT	0.52	0.38	0.02	1.36	0.09					
INITIAL PACEMAKER INSERTION	0.15	0.19	0.02	0.75	0.07					
CAROTID ENDARTERECTOMY	0.28	0.13	0.01	2.19	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.40	0.02	0.96	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.02	1.00	0.08					
PROSTATECTOMY	0.77	0.68	0.03	1.13	0.05					
CHOLECYSTECTOMY	0.37	0.44	0.03	0.81	0.05					
HYSTERECTOMY	0.21	0.17	0.02	1.18	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

GRAND RAPIDS, MI (3000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	16,282	8.8	8.5	0.3	13.6	12.7	0.4	17.0	15.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	507	20.9	25.6	2.7	26.0	28.4	3.5	28.8	31.0	3.1
CONGESTIVE HEART FAILURE	688	16.4	14.3	2.5	24.4	22.6	3.0	31.8	28.6	3.0
PNEUMONIA/INFLUENZA	683	16.8	16.2	1.8	24.2	22.1	2.7	28.3	26.0	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	150	12.7	10.3	4.2	24.7	17.1	4.6	30.0	21.7	5.5
TRANSIENT CEREBRAL ISCHEMIA	131	2.3	1.7	1.3	5.3	3.8	2.0	9.2	6.2	3.0
STROKE	598	19.9	20.0	1.7	25.6	26.3	1.9	31.1	30.0	2.3
HIP FRACTURE	552	7.8	7.2	1.2	10.7	12.5	1.7	13.9	16.2	2.0
SEPSIS	153	17.6	27.1	4.8	25.5	34.4	7.1	30.7	38.9	7.1
PROCEDURES:										
ANGIOPLASTY	238	1.3	2.5	1.2	2.5	3.4	1.3	4.2	4.2	1.3
CORONARY ARTERY BYPASS GRAFT	358	8.4	4.8	2.1	9.8	6.9	2.0	11.2	7.9	2.2
INITIAL PACEMAKER INSERTION	119	2.5	3.4	1.9	4.2	6.1	2.6	5.9	8.6	3.2
CAROTID ENDARTERECTOMY	137	0.7	1.6	1.4	2.2	2.9	1.7	2.9	4.2	2.0
HIP REPLACEMENT/RECONSTRUCTION	511	4.1	2.8	1.6	6.1	5.1	1.9	7.8	6.8	1.7
OPEN REDUCTION OF HIP FRACTURE	313	4.8	6.6	1.6	7.7	11.8	2.5	10.5	15.4	2.8
PROSTATECTOMY	950	0.8	0.8	0.3	2.0	1.9	0.5	4.0	3.3	0.8
CHOLECYSTECTOMY	392	4.1	2.5	1.3	7.4	4.8	2.0	9.7	6.6	2.4
HYSTERECTOMY	149	0.7	0.5	0.7	1.3	1.1	1.1	1.3	1.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 85,624

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.93	27.30	0.18	0.80	0.00	4.39	4.70	0.07	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.86	0.03	0.78	0.03					
CONGESTIVE HEART FAILURE	1.12	1.66	0.04	0.67	0.02					
PNEUMONIA/INFLUENZA	0.97	1.26	0.04	0.78	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.26	0.50	0.02	0.52	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.35	0.02	0.50	0.03					
STROKE	0.78	0.89	0.03	0.87	0.03					
HIP FRACTURE	0.68	0.63	0.03	1.07	0.05					
SEPSIS	0.24	0.36	0.02	0.65	0.04					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.02	0.88	0.06					
CORONARY ARTERY BYPASS GRAFT	0.33	0.38	0.02	0.89	0.05					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.75	0.06					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.96	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.46	0.02	1.33	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.02	1.17	0.07					
PROSTATECTOMY	0.97	0.72	0.03	1.35	0.05					
CHOLECYSTECTOMY	0.46	0.43	0.02	1.07	0.06					
HYSTERECTOMY	0.17	0.18	0.01	0.92	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, MI (3520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,615	8.2	8.0	0.5	13.0	12.6	0.8	16.0	16.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	106	21.7	24.5	4.8	29.2	27.7	4.7	31.1	30.4	4.8
CONGESTIVE HEART FAILURE	186	9.7	14.2	5.0	21.0	22.7	4.9	24.7	29.1	5.5
PNEUMONIA/INFLUENZA	136	14.7	13.2	4.3	20.6	18.2	4.1	22.1	21.8	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	63	1.6	7.0	4.4	6.3	12.3	5.4	12.7	16.8	6.5
TRANSIENT CEREBRAL ISCHEMIA	72	1.4	1.8	1.6	2.8	4.0	2.5	4.2	6.5	3.6
STROKE	119	26.1	19.4	7.0	30.3	25.5	6.8	32.8	29.2	6.7
HIP FRACTURE	110	7.3	7.1	2.7	11.8	12.5	3.4	15.5	16.2	3.6
SEPSIS	42	23.8	28.1	*	31.0	35.4	*	35.7	40.1	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	35	2.9	2.8	*	2.9	5.2	*	5.7	7.4	*
CAROTID ENDARTERECTOMY	16	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	85	9.4	4.0	4.1	11.8	7.1	4.8	14.1	9.3	5.0
OPEN REDUCTION OF HIP FRACTURE	56	0.0	6.0	4.7	5.4	11.2	6.2	8.9	15.1	7.3
PROSTATECTOMY	155	1.3	0.7	0.9	1.9	1.9	1.3	1.9	3.3	2.0
CHOLECYSTECTOMY	92	2.2	1.8	2.7	2.2	3.2	3.4	3.3	4.3	4.1
HYSTERECTOMY	25	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,655

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.99	29.01	0.37	1.00	0.01	4.43	4.64	0.15	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.93	0.07	1.04	0.07					
CONGESTIVE HEART FAILURE	1.77	1.77	0.09	0.99	0.05					
PNEUMONIA/INFLUENZA	1.12	1.39	0.08	0.79	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.60	0.05	0.86	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.40	0.04	1.10	0.12					
STROKE	0.82	0.93	0.07	0.87	0.06					
HIP FRACTURE	0.59	0.61	0.05	1.02	0.09					
SEPSIS	0.38	0.36	0.04	1.03	0.12					
PROCEDURES:										
ANGIOPLASTY	0.39	0.30	0.04	1.25	0.16					
CORONARY ARTERY BYPASS GRAFT	0.42	0.41	0.04	1.04	0.12					
INITIAL PACEMAKER INSERTION	0.29	0.20	0.03	1.35	0.22					
CAROTID ENDARTERECTOMY	0.12	0.14	0.03	0.79	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.45	0.05	1.14	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.04	1.08	0.14					
PROSTATECTOMY	1.00	0.74	0.06	1.37	0.11					
CHOLECYSTECTOMY	0.56	0.48	0.05	1.15	0.12					
HYSTERECTOMY	0.18	0.18	0.03	1.02	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

KALAMAZOO, MI (3720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	6,327	9.9	8.5	0.4	14.9	12.8	0.7	17.8	15.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	253	18.6	23.5	4.3	21.3	26.1	4.7	22.1	28.5	5.2
CONGESTIVE HEART FAILURE	298	17.4	14.0	3.4	24.2	22.1	3.3	29.5	27.9	3.1
PNEUMONIA/INFLUENZA	163	20.2	15.6	4.2	29.4	21.4	5.5	35.0	25.2	6.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	51	21.6	9.3	7.0	23.5	15.5	6.4	31.4	20.0	7.5
TRANSIENT CEREBRAL ISCHEMIA	58	5.2	1.9	2.9	6.9	4.3	4.3	10.3	6.9	6.3
STROKE	225	25.8	21.1	4.2	33.3	27.5	4.8	36.4	31.1	5.2
HIP FRACTURE	187	10.2	7.0	2.8	18.7	12.3	4.7	20.9	15.9	4.8
SEPSIS	57	21.1	20.2	6.4	29.8	26.3	7.7	31.6	30.3	7.3
PROCEDURES:										
ANGIOPLASTY	333	3.9	3.3	1.3	6.3	4.1	1.7	7.5	4.9	1.9
CORONARY ARTERY BYPASS GRAFT	241	6.6	5.2	2.0	8.7	7.2	2.2	11.6	8.1	2.7
INITIAL PACEMAKER INSERTION	82	2.4	2.7	2.1	4.9	5.5	3.4	4.9	8.0	3.9
CAROTID ENDARTERECTOMY	84	1.2	1.3	1.3	1.2	2.5	2.0	2.4	3.6	2.2
HIP REPLACEMENT/RECONSTRUCTION	182	5.5	2.2	1.8	8.2	4.1	2.4	9.3	5.6	2.9
OPEN REDUCTION OF HIP FRACTURE	101	7.9	6.6	4.2	18.8	12.2	5.9	20.8	16.1	5.4
PROSTATECTOMY	177	1.1	1.0	0.8	4.0	2.3	1.7	6.2	3.9	2.3
CHOLECYSTECTOMY	149	2.7	2.7	1.3	6.7	4.9	2.2	7.4	6.5	3.0
HYSTERECTOMY	51	0.0	0.7	1.3	0.0	1.8	2.2	2.0	2.9	2.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,386

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	21.65	28.22	0.32	0.77	0.01	4.66	4.80	0.13	0.97	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.64	0.86	0.06	0.76	0.05					
CONGESTIVE HEART FAILURE	1.42	1.74	0.08	0.82	0.04					
PNEUMONIA/INFLUENZA	0.72	1.30	0.07	0.55	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.21	0.53	0.04	0.40	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.38	0.04	0.60	0.06					
STROKE	0.73	0.91	0.06	0.81	0.05					
HIP FRACTURE	0.67	0.64	0.05	1.03	0.08					
SEPSIS	0.25	0.37	0.04	0.65	0.07					
PROCEDURES:										
ANGIOPLASTY	0.57	0.28	0.03	1.97	0.23					
CORONARY ARTERY BYPASS GRAFT	0.49	0.37	0.04	1.33	0.13					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.03	0.86	0.13					
CAROTID ENDARTERECTOMY	0.23	0.12	0.02	1.86	0.36					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.45	0.04	1.05	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.40	0.31	0.03	1.22	0.14					
PROSTATECTOMY	0.57	0.67	0.05	0.86	0.06					
CHOLECYSTECTOMY	0.49	0.43	0.04	1.12	0.11					
HYSTERECTOMY	0.17	0.18	0.02	1.05	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

LANSING-EAST LANSING, MI (4040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,823	8.9	9.3	0.5	13.8	14.0	0.5	17.6	17.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	298	22.8	25.6	3.4	26.2	28.8	3.7	28.5	31.6	4.1
CONGESTIVE HEART FAILURE	386	13.5	14.7	2.6	22.3	23.3	2.5	29.3	29.5	3.1
PNEUMONIA/INFLUENZA	350	15.7	15.8	2.3	23.4	21.6	3.1	27.4	25.6	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	91	8.8	8.3	3.1	16.5	14.1	5.1	19.8	18.4	5.3
TRANSIENT CEREBRAL ISCHEMIA	77	2.6	2.2	3.6	10.4	4.8	4.5	13.0	7.6	5.2
STROKE	256	19.9	20.9	3.2	26.2	28.0	3.4	32.0	31.9	4.1
HIP FRACTURE	199	7.5	7.0	1.9	12.6	12.2	2.3	15.6	15.7	2.6
SEPSIS	107	17.8	23.9	5.6	27.1	31.4	4.9	34.6	35.6	4.8
PROCEDURES:										
ANGIOPLASTY	60	1.7	2.5	2.2	1.7	3.2	2.7	3.3	4.0	3.1
CORONARY ARTERY BYPASS GRAFT	188	4.3	5.6	3.0	5.3	8.2	4.0	6.4	9.3	4.1
INITIAL PACEMAKER INSERTION	73	2.7	2.6	3.9	9.6	5.0	5.9	12.3	7.4	7.1
CAROTID ENDARTERECTOMY	47	0.0	1.4	*	0.0	2.5	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION	198	2.5	2.4	1.3	4.5	4.5	2.6	7.1	6.0	3.1
OPEN REDUCTION OF HIP FRACTURE	114	6.1	6.6	2.7	8.8	11.8	4.7	9.6	15.4	5.9
PROSTATECTOMY	302	0.3	0.7	0.5	1.7	1.6	0.7	3.0	2.9	1.0
CHOLECYSTECTOMY	138	2.2	2.6	1.6	5.1	4.9	2.3	5.8	6.7	2.2
HYSTERECTOMY	80	0.0	0.7	1.1	0.0	1.6	2.0	2.5	2.5	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,663

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.26	28.18	0.25	0.90	0.01	4.67	4.75	0.10	0.98	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.88	0.04	1.08	0.05					
CONGESTIVE HEART FAILURE	1.50	1.72	0.06	0.87	0.03					
PNEUMONIA/INFLUENZA	1.24	1.33	0.05	0.93	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.35	0.54	0.03	0.64	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.37	0.03	0.70	0.06					
STROKE	0.74	0.91	0.04	0.82	0.04					
HIP FRACTURE	0.60	0.63	0.04	0.95	0.06					
SEPSIS	0.39	0.36	0.03	1.09	0.09					
PROCEDURES:										
ANGIOPLASTY	0.20	0.28	0.03	0.75	0.07					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.03	1.05	0.08					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.02	1.07	0.13					
CAROTID ENDARTERECTOMY	0.13	0.12	0.02	1.11	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.46	0.03	1.17	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.03	1.04	0.09					
PROSTATECTOMY	0.82	0.70	0.04	1.15	0.06					
CHOLECYSTECTOMY	0.42	0.44	0.03	0.92	0.07					
HYSTERECTOMY	0.21	0.18	0.02	1.24	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

MUSKEGON, MI (5320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	4,497	9.7	8.6	0.6	14.1	13.2	0.7	17.7	16.6	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	188	21.8	24.3	4.1	26.6	27.0	3.6	30.9	29.6	4.3
CONGESTIVE HEART FAILURE	257	15.6	13.2	3.8	23.7	20.5	4.4	27.2	26.1	4.6
PNEUMONIA/INFLUENZA	151	19.2	14.3	4.9	23.8	19.9	4.4	27.8	23.6	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	62	14.5	10.8	4.4	24.2	17.6	6.2	32.3	22.8	7.3
TRANSIENT CEREBRAL ISCHEMIA	54	0.0	1.5	3.1	5.6	3.5	3.0	11.1	5.9	4.1
STROKE	179	15.6	18.2	3.4	23.5	24.0	3.2	27.4	27.6	3.5
HIP FRACTURE	106	4.7	5.6	3.0	11.3	9.6	3.6	15.1	12.5	4.1
SEPSIS	64	21.9	23.3	5.4	32.8	31.4	6.0	40.6	36.5	7.0
PROCEDURES:										
ANGIOPLASTY	43	2.3	2.2	*	2.3	2.8	*	2.3	3.5	*
CORONARY ARTERY BYPASS GRAFT	73	12.3	4.9	5.4	13.7	7.1	5.5	15.1	8.1	5.5
INITIAL PACEMAKER INSERTION	34	8.8	4.0	*	14.7	7.4	*	14.7	10.3	*
CAROTID ENDARTERECTOMY	28	7.1	1.4	*	7.1	2.6	*	10.7	3.8	*
HIP REPLACEMENT/RECONSTRUCTION	119	1.7	2.6	1.9	2.5	4.6	3.3	5.9	6.2	3.8
OPEN REDUCTION OF HIP FRACTURE	45	2.2	5.2	*	13.3	9.0	*	17.8	11.8	*
PROSTATECTOMY	183	0.5	0.7	0.8	1.6	1.7	1.0	2.2	2.9	1.4
CHOLECYSTECTOMY	119	1.7	2.1	2.1	2.5	3.7	2.7	3.4	4.8	2.8
HYSTERECTOMY	47	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,278

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	23.96	30.53	0.35	0.78	0.01	4.54	4.64	0.13	0.98	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.92	0.06	1.05	0.07					
CONGESTIVE HEART FAILURE	1.55	1.90	0.09	0.81	0.04					
PNEUMONIA/INFLUENZA	0.84	1.47	0.08	0.57	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.68	0.05	0.54	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.43	0.04	0.52	0.05					
STROKE	0.81	0.97	0.06	0.83	0.05					
HIP FRACTURE	0.47	0.56	0.05	0.81	0.07					
SEPSIS	0.33	0.40	0.04	0.80	0.08					
PROCEDURES:										
ANGIOPLASTY	0.27	0.31	0.04	0.88	0.10					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.04	0.84	0.08					
INITIAL PACEMAKER INSERTION	0.12	0.20	0.03	0.53	0.08					
CAROTID ENDARTERECTOMY	0.15	0.15	0.02	0.84	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.41	0.04	1.21	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.27	0.03	0.84	0.10					
PROSTATECTOMY	0.65	0.73	0.05	0.89	0.07					
CHOLECYSTECTOMY	0.55	0.50	0.04	1.11	0.10					
HYSTERECTOMY	0.24	0.18	0.03	1.45	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

SAGINAW-BAY CITY-MIDLAND, MI (6960)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	12,879	8.1	8.2	0.3	12.3	12.5	0.3	15.3	15.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	410	25.9	25.6	2.3	29.5	28.4	2.5	31.5	31.0	2.6
CONGESTIVE HEART FAILURE	637	16.8	13.7	1.7	22.3	21.7	1.7	27.0	27.6	1.8
PNEUMONIA/INFLUENZA	441	15.6	16.6	2.0	22.0	22.6	2.2	26.5	26.6	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	138	9.4	8.0	2.6	14.5	14.0	3.0	19.6	18.6	3.4
TRANSIENT CEREBRAL ISCHEMIA	333	2.7	2.0	1.1	5.1	4.2	1.3	6.3	6.6	1.5
STROKE	458	17.2	19.6	2.9	24.0	25.9	2.6	27.5	29.6	2.6
HIP FRACTURE	256	9.4	6.7	3.0	14.8	11.7	4.1	19.1	15.1	4.3
SEPSIS	104	31.7	27.4	5.8	40.4	34.8	7.3	45.2	39.5	6.9
PROCEDURES:										
ANGIOPLASTY	179	0.6	2.2	1.4	1.7	2.9	1.4	4.5	3.7	1.7
CORONARY ARTERY BYPASS GRAFT	285	4.2	6.0	1.8	7.0	8.6	1.9	7.7	9.7	1.9
INITIAL PACEMAKER INSERTION	132	2.3	2.7	2.0	3.8	5.4	3.4	4.5	8.0	4.2
CAROTID ENDARTERECTOMY	159	0.6	1.6	1.6	2.5	2.9	1.9	3.8	4.2	2.8
HIP REPLACEMENT/RECONSTRUCTION	275	2.5	2.7	1.0	5.5	4.9	1.4	7.3	6.5	1.6
OPEN REDUCTION OF HIP FRACTURE	127	9.4	5.9	4.9	14.2	10.7	5.3	17.3	14.2	5.0
PROSTATECTOMY	420	0.5	0.9	0.6	1.9	2.2	1.2	3.1	3.8	1.7
CHOLECYSTECTOMY	261	3.1	2.7	1.2	5.0	5.1	1.5	6.9	7.0	1.8
HYSTERECTOMY	98	1.0	0.5	1.1	1.0	1.2	1.4	1.0	1.9	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 56,281

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	29.63	28.78	0.23	1.03	0.01	4.40	4.60	0.09	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.90	0.04	1.03	0.05					
CONGESTIVE HEART FAILURE	1.91	1.77	0.06	1.08	0.03					
PNEUMONIA/INFLUENZA	1.06	1.33	0.05	0.80	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.59	0.03	0.67	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.63	0.40	0.03	1.60	0.11					
STROKE	0.85	0.92	0.04	0.91	0.04					
HIP FRACTURE	0.51	0.59	0.03	0.85	0.05					
SEPSIS	0.29	0.37	0.03	0.79	0.06					
PROCEDURES:										
ANGIOPLASTY	0.33	0.30	0.02	1.09	0.09					
CORONARY ARTERY BYPASS GRAFT	0.59	0.40	0.03	1.49	0.10					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.02	1.11	0.11					
CAROTID ENDARTERECTOMY	0.24	0.14	0.02	1.71	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.44	0.03	1.17	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.28	0.02	0.86	0.07					
PROSTATECTOMY	0.81	0.73	0.04	1.10	0.05					
CHOLECYSTECTOMY	0.52	0.47	0.03	1.12	0.07					
HYSTERECTOMY	0.18	0.18	0.02	0.99	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

MI-(NONMSA) (99MI)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	41,420	9.1	9.1	0.2	13.9	13.7	0.3	17.0	17.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,457	24.7	25.3	1.2	28.7	28.3	1.5	31.4	31.1	1.4
CONGESTIVE HEART FAILURE	2,467	15.2	14.5	1.2	23.5	22.9	1.5	30.0	29.1	1.6
PNEUMONIA/INFLUENZA	2,675	12.6	15.2	1.0	17.9	20.9	1.1	21.9	24.8	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	635	8.2	7.8	1.7	14.0	13.5	1.4	19.2	17.9	1.9
TRANSIENT CEREBRAL ISCHEMIA	607	2.1	1.7	0.7	4.9	4.0	1.4	7.9	6.5	1.9
STROKE	1,581	19.2	19.1	1.1	25.9	25.6	1.3	29.1	29.4	1.4
HIP FRACTURE	1,106	7.0	6.6	0.9	11.7	11.7	1.1	15.0	15.2	1.4
SEPSIS	513	25.1	26.0	2.2	32.4	33.3	2.2	37.2	38.0	2.6
PROCEDURES:										
ANGIOPLASTY	125	2.4	2.3	1.4	3.2	3.1	1.6	4.0	4.0	1.8
CORONARY ARTERY BYPASS GRAFT	231	3.0	4.7	2.3	5.2	6.7	3.2	5.2	7.7	3.2
INITIAL PACEMAKER INSERTION	160	2.5	2.8	1.4	7.5	5.6	2.5	9.4	8.3	2.4
CAROTID ENDARTERECTOMY	174	0.6	1.3	1.1	1.7	2.4	1.5	2.3	3.5	1.8
HIP REPLACEMENT/RECONSTRUCTION	736	3.4	3.4	0.9	6.3	6.4	0.9	8.0	8.6	1.3
OPEN REDUCTION OF HIP FRACTURE	589	6.6	6.2	1.1	11.7	11.3	1.4	15.4	14.9	1.6
PROSTATECTOMY	1,267	0.9	0.9	0.3	2.4	2.1	0.6	3.9	3.5	0.6
CHOLECYSTECTOMY	951	2.3	2.2	0.5	3.6	4.0	0.8	4.5	5.4	1.1
HYSTERECTOMY	332	0.9	0.6	0.9	1.2	1.4	1.0	2.4	2.2	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 358,482

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.48	28.81	0.09	0.85	0.00	3.87	4.45	0.03	0.87	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.95	0.02	0.91	0.02					
CONGESTIVE HEART FAILURE	1.51	1.69	0.02	0.89	0.01					
PNEUMONIA/INFLUENZA	1.21	1.47	0.02	0.82	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.62	0.01	0.64	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.39	0.01	0.79	0.02					
STROKE	0.80	0.91	0.02	0.88	0.02					
HIP FRACTURE	0.47	0.59	0.01	0.80	0.02					
SEPSIS	0.27	0.34	0.01	0.78	0.02					
PROCEDURES:										
ANGIOPLASTY	0.32	0.30	0.01	1.03	0.03					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.01	1.00	0.03					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.80	0.03					
CAROTID ENDARTERECTOMY	0.17	0.13	0.01	1.26	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.45	0.01	0.94	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.28	0.01	0.82	0.03					
PROSTATECTOMY	0.70	0.79	0.01	0.88	0.02					
CHOLECYSTECTOMY	0.44	0.50	0.01	0.88	0.02					
HYSTERECTOMY	0.15	0.18	0.01	0.80	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

DULUTH, MN-WI (2240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,096	9.8	9.4	0.5	14.1	14.2	0.4	17.1	17.7	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	322	24.2	24.1	2.6	27.3	27.2	2.9	32.0	30.0	3.1
CONGESTIVE HEART FAILURE	378	13.2	14.8	2.7	21.7	23.0	2.5	29.6	29.1	2.4
PNEUMONIA/INFLUENZA	319	16.6	15.8	2.2	21.3	21.6	2.4	24.8	25.6	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	84	9.5	8.1	3.8	15.5	14.4	4.9	19.0	19.2	6.5
TRANSIENT CEREBRAL ISCHEMIA	114	0.9	1.7	1.9	5.3	3.8	2.8	7.9	6.3	4.5
STROKE	350	25.4	20.7	3.2	30.6	26.7	3.1	33.1	30.4	2.8
HIP FRACTURE	258	8.1	6.7	1.7	13.2	11.7	2.1	16.3	15.2	2.4
SEPSIS	106	20.8	25.1	6.2	26.4	32.4	7.6	28.3	36.7	7.4
PROCEDURES:										
ANGIOPLASTY	41	2.4	1.9	*	4.9	2.7	*	4.9	3.4	*
CORONARY ARTERY BYPASS GRAFT	98	2.0	6.4	3.4	3.1	9.2	4.2	5.1	10.5	4.5
INITIAL PACEMAKER INSERTION	73	5.5	3.5	2.8	8.2	6.5	5.5	11.0	9.2	6.9
CAROTID ENDARTERECTOMY	10	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	236	3.0	2.9	1.1	5.5	5.2	1.5	7.2	7.0	1.7
OPEN REDUCTION OF HIP FRACTURE	118	10.2	6.3	3.1	16.1	11.4	3.4	18.6	14.9	4.2
PROSTATECTOMY	383	0.8	1.0	0.5	1.8	2.2	0.9	2.3	3.7	1.8
CHOLECYSTECTOMY	175	4.6	3.0	2.1	6.9	5.7	2.3	9.7	7.8	2.7
HYSTERECTOMY	104	1.0	0.4	0.9	1.0	1.0	1.1	1.9	1.6	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,902

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.98	30.17	0.26	0.86	0.01	4.65	4.80	0.10	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	1.01	0.05	0.97	0.05					
CONGESTIVE HEART FAILURE	1.37	1.81	0.06	0.75	0.03					
PNEUMONIA/INFLUENZA	0.98	1.66	0.06	0.59	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.64	0.04	0.46	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.42	0.03	0.67	0.05					
STROKE	0.93	0.96	0.05	0.96	0.05					
HIP FRACTURE	0.57	0.69	0.04	0.82	0.05					
SEPSIS	0.32	0.35	0.03	0.87	0.07					
PROCEDURES:										
ANGIOPLASTY	0.22	0.29	0.03	0.89	0.08					
CORONARY ARTERY BYPASS GRAFT	0.29	0.41	0.03	0.73	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.02	0.93	0.10					
CAROTID ENDARTERECTOMY	0.04	0.14	0.02	0.26	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.50	0.03	1.00	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.32	0.03	0.76	0.07					
PROSTATECTOMY	0.81	0.79	0.04	1.02	0.05					
CHOLECYSTECTOMY	0.42	0.52	0.03	0.79	0.05					
HYSTERECTOMY	0.23	0.19	0.02	1.19	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

FARGO-MOORHEAD, ND-MN (2520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,956	8.0	8.3	0.5	12.6	12.7	0.5	15.4	16.0	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	190	25.8	25.6	4.4	26.8	28.9	4.6	30.5	31.6	4.6
CONGESTIVE HEART FAILURE	184	15.2	16.2	3.5	28.8	25.6	4.1	34.2	32.4	3.7
PNEUMONIA/INFLUENZA	166	15.7	15.9	3.1	21.1	22.1	4.8	24.7	26.4	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	51	19.6	8.7	6.6	27.5	15.6	8.6	31.4	20.7	9.5
TRANSIENT CEREBRAL ISCHEMIA	56	0.0	1.5	2.0	0.0	3.5	3.9	3.6	5.9	3.7
STROKE	174	19.5	19.8	3.0	23.6	25.9	3.7	26.4	29.8	3.8
HIP FRACTURE	235	4.3	6.4	3.1	8.9	11.4	4.5	12.8	15.0	4.8
SEPSIS	68	20.6	26.9	7.3	30.9	35.6	7.2	36.8	40.9	7.8
PROCEDURES:										
ANGIOPLASTY	121	1.7	3.1	1.7	2.5	4.0	1.9	4.1	4.9	2.0
CORONARY ARTERY BYPASS GRAFT	223	5.8	5.1	1.7	9.0	7.5	2.1	10.3	8.5	2.4
INITIAL PACEMAKER INSERTION	32	3.1	4.2	*	6.3	8.3	*	6.3	11.8	*
CAROTID ENDARTERECTOMY	44	2.3	1.5	*	2.3	2.8	*	2.3	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	272	2.2	2.6	1.1	4.8	5.0	1.3	7.0	6.9	1.6
OPEN REDUCTION OF HIP FRACTURE	112	3.6	5.7	3.1	8.9	10.5	3.7	13.4	14.0	3.5
PROSTATECTOMY	242	0.8	0.8	0.6	2.5	1.9	1.0	4.1	3.3	1.4
CHOLECYSTECTOMY	153	2.6	2.7	1.4	5.2	5.3	2.2	5.2	7.4	2.9
HYSTERECTOMY	75	0.0	1.0	1.4	2.7	2.1	1.8	2.7	3.2	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,326

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.38	28.12	0.39	0.87	0.01	4.45	4.95	0.16	0.90	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.92	0.07	0.77	0.06					
CONGESTIVE HEART FAILURE	1.39	1.65	0.10	0.84	0.05					
PNEUMONIA/INFLUENZA	1.15	1.51	0.09	0.78	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.54	0.05	0.66	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.35	0.04	0.76	0.10					
STROKE	0.87	0.91	0.07	0.92	0.07					
HIP FRACTURE	0.84	0.70	0.06	1.18	0.11					
SEPSIS	0.46	0.35	0.04	1.23	0.16					
PROCEDURES:										
ANGIOPLASTY	0.29	0.27	0.04	1.05	0.16					
CORONARY ARTERY BYPASS GRAFT	0.43	0.35	0.04	1.20	0.16					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.75	0.13					
CAROTID ENDARTERECTOMY	0.07	0.12	0.03	0.52	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.81	0.50	0.05	1.60	0.18					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.33	0.04	1.07	0.15					
PROSTATECTOMY	0.62	0.75	0.06	0.81	0.07					
CHOLECYSTECTOMY	0.57	0.46	0.05	1.28	0.15					
HYSTERECTOMY	0.25	0.18	0.03	1.37	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

MINNEAPOLIS-ST.PAUL, MN-WI (5120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	47,357	8.2	8.2	0.2	12.4	12.6	0.3	15.5	16.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,481	23.1	24.7	2.6	26.8	27.9	2.7	29.2	30.7	2.5
CONGESTIVE HEART FAILURE	2,066	14.1	14.8	1.5	22.4	23.2	1.3	29.3	29.5	1.3
PNEUMONIA/INFLUENZA	1,951	16.5	16.3	0.9	22.9	22.4	1.1	27.7	26.6	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	514	9.7	9.0	1.3	14.6	15.5	1.7	20.0	20.5	2.0
TRANSIENT CEREBRAL ISCHEMIA	642	1.6	1.8	0.6	3.4	4.0	0.9	6.4	6.5	1.3
STROKE	1,592	20.0	20.6	1.2	26.8	27.0	1.3	29.5	30.8	1.6
HIP FRACTURE	1,310	6.6	6.6	0.7	10.7	11.8	1.0	13.4	15.5	1.3
SEPSIS	427	25.1	24.8	2.6	31.4	32.5	3.5	37.2	37.3	4.4
PROCEDURES:										
ANGIOPLASTY	697	2.7	2.9	0.7	3.3	3.9	1.0	3.9	4.8	1.1
CORONARY ARTERY BYPASS GRAFT	783	7.5	5.3	1.5	9.5	7.7	1.5	10.3	8.8	1.5
INITIAL PACEMAKER INSERTION	344	4.4	3.5	1.2	8.1	6.6	1.9	11.6	9.4	2.6
CAROTID ENDARTERECTOMY	142	1.4	1.3	1.3	3.5	2.5	1.6	3.5	3.8	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,173	2.6	2.8	0.5	4.4	5.2	0.8	6.1	7.1	1.0
OPEN REDUCTION OF HIP FRACTURE	541	7.4	6.2	1.2	10.7	11.4	1.4	13.7	15.2	1.8
PROSTATECTOMY	1,374	1.0	0.9	0.3	2.5	2.2	0.5	3.3	3.7	0.6
CHOLECYSTECTOMY	788	2.8	2.6	0.8	4.8	5.0	0.8	7.0	6.8	0.9
HYSTERECTOMY	457	0.7	0.6	0.6	1.8	1.4	1.3	3.1	2.3	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 273,871

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.87	27.15	0.10	0.84	0.00	4.64	4.83	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.86	0.02	0.80	0.02					
CONGESTIVE HEART FAILURE	1.28	1.64	0.02	0.79	0.01					
PNEUMONIA/INFLUENZA	1.02	1.28	0.02	0.79	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.33	0.49	0.01	0.67	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.36	0.01	0.83	0.03					
STROKE	0.74	0.88	0.02	0.84	0.02					
HIP FRACTURE	0.57	0.68	0.02	0.84	0.02					
SEPSIS	0.25	0.35	0.01	0.68	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.90	0.03					
CORONARY ARTERY BYPASS GRAFT	0.26	0.36	0.01	0.73	0.02					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.75	0.03					
CAROTID ENDARTERECTOMY	0.05	0.11	0.01	0.47	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.48	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.33	0.01	0.72	0.02					
PROSTATECTOMY	0.57	0.69	0.02	0.82	0.02					
CHOLECYSTECTOMY	0.34	0.41	0.01	0.82	0.02					
HYSTERECTOMY	0.17	0.18	0.01	0.95	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

ROCHESTER, MN (6820)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,591	4.2	6.7	0.3	7.0	11.0	0.4	9.6	14.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	239	20.5	22.4	2.8	22.2	25.4	3.0	24.7	28.0	3.3
CONGESTIVE HEART FAILURE	292	12.0	15.2	3.6	18.8	23.8	3.7	26.0	30.2	3.8
PNEUMONIA/INFLUENZA	220	7.3	15.1	2.6	10.5	21.1	3.3	13.6	25.1	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	87	4.6	8.6	5.4	10.3	14.7	6.3	18.4	19.4	5.5
TRANSIENT CEREBRAL ISCHEMIA	112	1.8	1.8	1.5	2.7	4.0	2.6	5.4	6.4	3.5
STROKE	278	16.2	18.4	2.5	19.8	24.4	3.3	21.9	28.2	3.7
HIP FRACTURE	134	7.5	6.4	2.6	11.9	11.2	2.8	14.9	14.5	3.3
SEPSIS	57	8.8	21.3	7.4	17.5	30.3	9.2	21.1	35.5	8.6
PROCEDURES:										
ANGIOPLASTY	170	4.1	4.1	1.6	5.3	5.3	1.7	7.1	6.3	2.0
CORONARY ARTERY BYPASS GRAFT	264	3.0	6.2	2.2	5.3	8.8	2.5	7.2	10.0	2.7
INITIAL PACEMAKER INSERTION	99	2.0	3.3	1.9	3.0	6.1	2.9	3.0	8.9	3.9
CAROTID ENDARTERECTOMY	86	1.2	2.0	1.8	3.5	3.8	2.1	4.7	5.5	2.7
HIP REPLACEMENT/RECONSTRUCTION	566	0.9	1.2	0.7	1.4	2.3	0.9	1.8	3.2	1.1
OPEN REDUCTION OF HIP FRACTURE	28	10.7	6.8	*	14.3	12.5	*	14.3	16.3	*
PROSTATECTOMY	711	0.0	1.2	0.9	0.1	2.9	1.7	1.1	5.0	1.7
CHOLECYSTECTOMY	197	1.0	4.1	1.6	3.0	8.3	2.3	3.6	11.9	2.9
HYSTERECTOMY	230	0.4	0.7	0.7	1.3	1.7	1.3	1.3	2.6	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 9,946

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.19	27.22	0.52	1.26	0.02	4.70	5.17	0.23	0.91	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.19	0.86	0.09	1.42	0.16					
CONGESTIVE HEART FAILURE	1.52	1.64	0.13	0.93	0.07					
PNEUMONIA/INFLUENZA	1.62	1.33	0.12	1.21	0.11					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.45	0.07	1.21	0.19					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.34	0.06	1.58	0.28					
STROKE	1.14	0.90	0.09	1.25	0.13					
HIP FRACTURE	0.71	0.78	0.09	0.93	0.11					
SEPSIS	0.26	0.36	0.06	0.71	0.13					
PROCEDURES:										
ANGIOPLASTY	0.45	0.24	0.05	1.82	0.39					
CORONARY ARTERY BYPASS GRAFT	0.57	0.32	0.06	2.06	0.38					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.04	1.32	0.33					
CAROTID ENDARTERECTOMY	0.14	0.09	0.03	1.45	0.60					
HIP REPLACEMENT/RECONSTRUCTION	0.75	0.52	0.07	1.45	0.21					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.37	0.06	0.48	0.08					
PROSTATECTOMY	0.76	0.67	0.08	1.15	0.14					
CHOLECYSTECTOMY	0.32	0.39	0.06	0.85	0.14					
HYSTERECTOMY	0.30	0.18	0.04	1.86	0.49					

** QUANTITIES COULD NOT BE ESTIMATED

ST.CLOUD, MN (6980)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,691	8.2	8.8	0.6	12.4	13.8	0.7	15.4	17.4	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	117	21.4	23.9	4.1	23.9	27.2	4.6	25.6	29.9	4.7
CONGESTIVE HEART FAILURE	176	19.3	15.1	4.2	27.8	23.7	4.4	33.5	30.0	5.1
PNEUMONIA/INFLUENZA	196	16.3	15.7	3.0	20.4	21.9	3.3	26.0	26.1	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	43	2.3	7.1	*	2.3	13.1	*	9.3	17.7	*
TRANSIENT CEREBRAL ISCHEMIA	49	2.0	1.9	*	2.0	4.2	*	6.1	6.7	*
STROKE	122	23.8	21.6	4.8	32.8	28.3	6.3	35.2	32.4	5.3
HIP FRACTURE	82	6.1	6.7	3.1	8.5	11.8	4.4	11.0	15.3	5.7
SEPSIS	36	16.7	24.5	*	27.8	33.5	*	27.8	38.8	*
PROCEDURES:										
ANGIOPLASTY	32	0.0	2.1	*	3.1	2.8	*	3.1	3.5	*
CORONARY ARTERY BYPASS GRAFT	53	1.9	4.4	3.5	1.9	6.2	4.6	1.9	7.0	5.0
INITIAL PACEMAKER INSERTION	41	4.9	4.6	*	9.8	8.6	*	9.8	12.0	*
CAROTID ENDARTERECTOMY	10	0.0	1.8	*	0.0	3.8	*	0.0	5.8	*
HIP REPLACEMENT/RECONSTRUCTION	94	2.1	2.7	1.7	3.2	4.8	2.5	3.2	6.4	3.0
OPEN REDUCTION OF HIP FRACTURE	22	4.5	5.4	*	9.1	10.1	*	9.1	13.6	*
PROSTATECTOMY	144	1.4	1.2	0.9	3.5	2.9	1.5	4.9	5.0	1.8
CHOLECYSTECTOMY	68	5.9	3.6	3.5	5.9	6.2	3.1	5.9	8.1	3.6
HYSTERECTOMY	28	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,641

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.14	27.89	0.36	0.90	0.01	4.32	4.82	0.15	0.90	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.93	0.07	0.81	0.06					
CONGESTIVE HEART FAILURE	1.50	1.63	0.09	0.92	0.05					
PNEUMONIA/INFLUENZA	1.31	1.49	0.08	0.89	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.55	0.05	0.73	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.35	0.04	0.97	0.12					
STROKE	0.73	0.91	0.06	0.83	0.06					
HIP FRACTURE	0.60	0.67	0.06	0.88	0.07					
SEPSIS	0.28	0.34	0.04	0.77	0.10					
PROCEDURES:										
ANGIOPLASTY	0.32	0.28	0.04	1.12	0.16					
CORONARY ARTERY BYPASS GRAFT	0.31	0.37	0.04	0.85	0.10					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.03	1.30	0.23					
CAROTID ENDARTERECTOMY	0.04	0.11	0.02	0.57	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.49	0.05	1.04	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.19	0.31	0.04	0.61	0.08					
PROSTATECTOMY	0.78	0.79	0.06	0.97	0.08					
CHOLECYSTECTOMY	0.37	0.46	0.05	0.79	0.08					
HYSTERECTOMY	0.16	0.18	0.03	0.78	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

MN-(NONMSA) (99MN)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	36,452	9.5	9.6	0.2	13.7	14.4	0.2	17.0	17.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,464	29.0	27.5	1.2	33.3	30.9	2.1	35.6	33.9	1.6
CONGESTIVE HEART FAILURE	2,066	15.3	15.5	0.8	22.7	24.3	1.1	29.6	30.8	1.3
PNEUMONIA/INFLUENZA	2,796	13.4	15.9	0.7	18.8	21.9	0.9	23.1	25.9	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	539	8.9	7.9	1.8	13.9	14.0	1.6	20.4	18.8	2.1
TRANSIENT CEREBRAL ISCHEMIA	480	1.9	1.9	0.7	4.0	4.3	1.2	6.9	7.1	1.6
STROKE	1,556	20.8	20.4	1.1	26.2	27.0	1.1	29.4	31.1	1.3
HIP FRACTURE	1,067	8.1	6.9	1.5	13.7	12.2	1.8	16.2	16.0	1.7
SEPSIS	426	19.0	24.6	2.2	24.2	31.9	3.0	28.6	36.6	3.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	150	3.3	4.5	1.9	7.3	8.2	2.4	12.0	11.4	2.7
CAROTID ENDARTERECTOMY	1	0.0	1.2	*	0.0	1.9	*	0.0	2.6	*
HIP REPLACEMENT/RECONSTRUCTION	796	3.1	3.3	0.6	6.8	6.1	1.1	8.0	8.2	1.9
OPEN REDUCTION OF HIP FRACTURE	471	7.0	6.5	1.5	12.3	11.9	1.7	15.5	15.7	1.7
PROSTATECTOMY	1,260	0.6	1.0	0.4	1.4	2.3	0.8	2.4	4.0	1.4
CHOLECYSTECTOMY	803	2.1	2.5	0.7	3.6	4.6	1.1	5.1	6.1	1.3
HYSTERECTOMY	328	0.3	0.6	0.5	0.9	1.4	0.7	1.8	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 272,716

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.52	28.61	0.10	0.96	0.00	4.50	4.82	0.04	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	0.98	0.02	1.15	0.02					
CONGESTIVE HEART FAILURE	1.58	1.66	0.02	1.00	0.01					
PNEUMONIA/INFLUENZA	1.62	1.57	0.02	1.04	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.55	0.01	0.78	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.36	0.01	0.91	0.03					
STROKE	0.92	0.95	0.02	0.97	0.02					
HIP FRACTURE	0.63	0.68	0.02	0.94	0.02					
SEPSIS	0.29	0.34	0.01	0.86	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.01	0.97	0.04					
CORONARY ARTERY BYPASS GRAFT	0.37	0.39	0.01	0.95	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.01	0.80	0.04					
CAROTID ENDARTERECTOMY	0.06	0.12	0.01	0.55	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.59	0.53	0.01	1.11	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.32	0.01	0.86	0.03					
PROSTATECTOMY	0.83	0.86	0.02	0.98	0.02					
CHOLECYSTECTOMY	0.49	0.49	0.01	**	**					
HYSTERECTOMY	0.21	0.19	0.01	1.15	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBIA, MO (1740)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,387	7.6	8.7	0.4	12.0	13.7	0.5	15.5	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	179	19.0	28.3	4.5	21.2	31.6	4.8	22.3	34.5	5.1
CONGESTIVE HEART FAILURE	204	14.7	16.5	3.1	22.5	25.7	4.2	30.4	32.1	4.6
PNEUMONIA/INFLUENZA	194	17.0	18.2	4.1	20.1	25.1	4.0	25.8	29.5	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	62	12.9	9.8	8.0	22.6	16.6	7.6	25.8	21.5	6.7
TRANSIENT CEREBRAL ISCHEMIA	90	0.0	2.0	1.9	2.2	4.7	2.6	2.2	7.8	3.5
STROKE	166	14.5	18.9	5.5	20.5	25.3	5.6	23.5	29.1	5.8
HIP FRACTURE	158	5.7	7.4	3.2	12.0	13.3	5.5	13.9	17.4	6.2
SEPSIS	35	22.9	33.3	*	37.1	44.6	*	42.9	50.9	*
PROCEDURES:										
ANGIOPLASTY	193	5.2	5.4	1.6	6.7	6.7	2.0	7.3	7.9	2.5
CORONARY ARTERY BYPASS GRAFT	335	9.9	6.7	2.4	11.9	9.5	2.2	12.8	10.7	2.2
INITIAL PACEMAKER INSERTION	93	2.2	3.7	2.9	6.5	7.4	4.3	9.7	10.7	4.5
CAROTID ENDARTERECTOMY	81	1.2	1.7	1.6	1.2	3.1	2.5	1.2	4.5	3.5
HIP REPLACEMENT/RECONSTRUCTION	211	0.9	3.1	1.6	3.3	5.7	2.1	5.2	7.7	2.2
OPEN REDUCTION OF HIP FRACTURE	78	10.3	6.4	6.5	17.9	11.9	8.1	20.5	16.1	7.3
PROSTATECTOMY	182	1.1	1.4	0.9	3.8	3.3	1.4	4.9	5.6	2.3
CHOLECYSTECTOMY	110	2.7	4.1	2.7	3.6	7.3	3.6	5.5	9.5	3.9
HYSTERECTOMY	73	1.4	0.8	1.3	2.7	1.8	2.1	4.1	2.7	2.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 11,414

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.25	28.17	0.50	1.00	0.02	4.35	4.94	0.21	0.88	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.61	0.85	0.09	0.73	0.07					
CONGESTIVE HEART FAILURE	1.80	1.70	0.12	1.10	0.08					
PNEUMONIA/INFLUENZA	1.37	1.41	0.11	0.96	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.53	0.07	0.80	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.34	0.05	0.85	0.14					
STROKE	0.86	0.91	0.09	0.95	0.09					
HIP FRACTURE	0.68	0.65	0.08	1.04	0.12					
SEPSIS	0.31	0.37	0.06	0.79	0.13					
PROCEDURES:										
ANGIOPLASTY	0.51	0.27	0.05	1.82	0.35					
CORONARY ARTERY BYPASS GRAFT	0.53	0.34	0.05	1.60	0.27					
INITIAL PACEMAKER INSERTION	0.33	0.19	0.04	1.66	0.39					
CAROTID ENDARTERECTOMY	0.14	0.10	0.03	1.49	0.51					
HIP REPLACEMENT/RECONSTRUCTION	0.79	0.43	0.06	1.86	0.27					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.31	0.05	0.92	0.16					
PROSTATECTOMY	0.72	0.67	0.08	1.10	0.13					
CHOLECYSTECTOMY	0.56	0.42	0.06	1.34	0.20					
HYSTERECTOMY	0.25	0.17	0.04	1.52	0.39					

** QUANTITIES COULD NOT BE ESTIMATED

JOPLIN, MO (3710)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,156	9.1	8.0	0.4	14.2	12.4	0.6	17.5	15.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	239	23.8	23.8	3.7	30.1	26.8	4.2	32.2	29.5	4.9
CONGESTIVE HEART FAILURE	342	17.5	14.5	3.5	27.5	22.8	3.6	32.5	28.9	3.3
PNEUMONIA/INFLUENZA	334	13.5	14.6	2.5	18.6	20.1	3.2	23.4	23.8	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	124	4.8	7.2	3.0	12.1	13.1	3.2	19.4	17.9	4.1
TRANSIENT CEREBRAL ISCHEMIA	86	1.2	1.8	1.5	2.3	4.1	2.5	4.7	6.6	3.2
STROKE	236	20.8	18.6	4.6	28.0	24.5	3.8	30.1	28.3	4.0
HIP FRACTURE	219	4.6	5.8	2.0	11.4	10.4	2.4	14.2	13.7	2.8
SEPSIS	65	21.5	28.3	8.3	30.8	36.8	9.5	33.8	41.6	9.1
PROCEDURES:										
ANGIOPLASTY	79	1.3	3.0	3.0	1.3	3.9	3.8	2.5	4.7	4.5
CORONARY ARTERY BYPASS GRAFT	112	9.8	4.1	3.2	10.7	5.7	3.3	10.7	6.5	3.3
INITIAL PACEMAKER INSERTION	71	5.6	3.1	3.2	8.5	5.8	4.7	11.3	8.2	5.1
CAROTID ENDARTERECTOMY	61	1.6	1.5	1.8	3.3	3.0	2.7	3.3	4.4	3.1
HIP REPLACEMENT/RECONSTRUCTION	155	1.3	3.1	3.1	7.7	5.8	2.8	9.7	8.0	4.0
OPEN REDUCTION OF HIP FRACTURE	51	7.8	6.3	3.6	15.7	11.5	5.7	15.7	15.3	5.2
PROSTATECTOMY	272	1.5	0.9	0.8	2.2	2.1	1.0	3.3	3.5	1.6
CHOLECYSTECTOMY	160	3.1	2.4	1.5	5.6	4.5	1.9	6.9	6.0	2.2
HYSTERECTOMY	73	1.4	0.6	1.2	2.7	1.4	2.1	2.7	2.1	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,890

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.88	30.91	0.36	1.06	0.01	5.03	4.74	0.14	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	1.04	0.07	0.94	0.06					
CONGESTIVE HEART FAILURE	2.01	1.87	0.09	1.07	0.05					
PNEUMONIA/INFLUENZA	1.76	1.65	0.08	1.06	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.85	0.68	0.05	1.21	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.45	0.04	1.02	0.10					
STROKE	0.96	0.98	0.06	0.98	0.07					
HIP FRACTURE	0.76	0.67	0.05	1.14	0.09					
SEPSIS	0.29	0.36	0.04	0.84	0.10					
PROCEDURES:										
ANGIOPLASTY	0.41	0.29	0.04	1.41	0.18					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.04	1.04	0.11					
INITIAL PACEMAKER INSERTION	0.27	0.21	0.03	1.23	0.19					
CAROTID ENDARTERECTOMY	0.23	0.15	0.03	1.55	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.49	0.05	0.95	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.31	0.04	0.65	0.08					
PROSTATECTOMY	0.97	0.77	0.06	1.27	0.10					
CHOLECYSTECTOMY	0.58	0.54	0.05	1.04	0.09					
HYSTERECTOMY	0.23	0.19	0.03	1.07	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

KANSAS CITY, MO-KS (3760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	45,476	8.4	8.8	0.2	13.2	13.4	0.2	16.7	16.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,333	21.4	25.7	2.2	26.5	28.6	2.3	28.4	31.3	2.0
CONGESTIVE HEART FAILURE	2,150	13.9	14.2	0.9	20.8	22.5	1.7	26.8	28.6	2.0
PNEUMONIA/INFLUENZA	2,231	14.7	15.6	1.2	21.2	21.5	1.1	25.9	25.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	977	6.1	6.8	0.9	12.1	12.3	1.3	19.1	16.5	2.1
TRANSIENT CEREBRAL ISCHEMIA	647	1.2	1.8	1.0	3.6	4.0	1.3	6.2	6.5	1.3
STROKE	1,585	16.7	19.5	1.5	22.3	25.7	1.8	26.8	29.5	1.8
HIP FRACTURE	1,256	5.9	6.6	1.0	11.1	11.7	1.3	14.5	15.3	1.4
SEPSIS	521	24.8	25.1	2.5	34.4	33.4	2.2	40.1	38.2	2.7
PROCEDURES:										
ANGIOPLASTY	1,058	3.3	3.5	0.6	5.0	4.5	0.8	6.2	5.4	0.9
CORONARY ARTERY BYPASS GRAFT	662	6.5	5.2	1.1	7.9	7.3	1.1	9.4	8.3	1.4
INITIAL PACEMAKER INSERTION	311	1.9	3.1	1.2	4.8	6.4	2.1	6.4	9.3	2.6
CAROTID ENDARTERECTOMY	275	1.5	1.7	0.9	2.9	3.1	1.0	4.7	4.4	1.3
HIP REPLACEMENT/RECONSTRUCTION	945	3.4	3.4	0.6	5.9	6.3	1.1	7.7	8.4	1.4
OPEN REDUCTION OF HIP FRACTURE	593	5.4	6.2	1.2	11.5	11.3	1.4	15.0	15.1	1.5
PROSTATECTOMY	1,481	0.6	0.9	0.4	2.3	2.2	0.4	3.8	3.8	0.5
CHOLECYSTECTOMY	779	4.6	2.7	0.9	7.6	4.8	1.2	9.2	6.4	1.3
HYSTERECTOMY	395	1.0	0.8	0.8	2.0	1.9	1.3	2.3	3.0	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 205,503

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.05	28.43	0.12	1.09	0.00	4.81	4.75	0.05	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.87	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.87	1.76	0.03	1.05	0.02					
PNEUMONIA/INFLUENZA	1.63	1.30	0.02	1.25	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.80	0.52	0.02	1.53	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.39	0.01	1.06	0.04					
STROKE	1.02	0.94	0.02	1.08	0.02					
HIP FRACTURE	0.77	0.62	0.02	1.23	0.03					
SEPSIS	0.41	0.38	0.01	1.06	0.04					
PROCEDURES:										
ANGIOPLASTY	0.51	0.26	0.01	1.92	0.09					
CORONARY ARTERY BYPASS GRAFT	0.36	0.36	0.01	0.96	0.04					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.93	0.05					
CAROTID ENDARTERECTOMY	0.14	0.11	0.01	1.30	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.45	0.01	1.12	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.01	1.22	0.05					
PROSTATECTOMY	0.79	0.71	0.02	1.12	0.03					
CHOLECYSTECTOMY	0.44	0.42	0.01	1.03	0.04					
HYSTERECTOMY	0.19	0.18	0.01	1.10	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ST.JOSEPH, MO (7000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,944	10.6	9.4	0.6	17.0	14.3	1.1	20.7	17.9	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	130	31.5	24.3	6.9	37.7	27.4	7.2	38.5	30.3	6.9
CONGESTIVE HEART FAILURE	213	11.7	14.6	2.8	25.8	23.4	3.2	33.3	29.8	3.5
PNEUMONIA/INFLUENZA	260	16.2	15.8	3.9	25.4	21.8	4.8	29.6	25.8	5.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	80	11.2	7.0	6.1	18.8	12.4	8.4	21.2	16.6	8.9
TRANSIENT CEREBRAL ISCHEMIA	53	0.0	2.0	2.7	3.8	4.3	3.0	7.5	6.9	3.7
STROKE	170	24.7	21.0	5.3	32.4	27.3	6.6	34.1	31.1	5.9
HIP FRACTURE	167	7.2	6.3	2.5	10.2	11.3	2.8	13.2	15.0	3.6
SEPSIS	57	35.1	26.1	9.8	43.9	34.8	9.2	49.1	40.0	9.3
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	25	0.0	3.6	*	0.0	7.3	*	8.0	10.2	*
CAROTID ENDARTERECTOMY	13	0.0	1.5	*	0.0	2.6	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	123	1.6	2.6	2.3	3.3	4.9	3.0	4.9	6.7	2.9
OPEN REDUCTION OF HIP FRACTURE	94	7.4	6.1	3.2	10.6	11.3	5.9	14.9	15.1	5.5
PROSTATECTOMY	108	0.9	1.1	1.2	1.9	2.5	1.7	3.7	4.2	2.0
CHOLECYSTECTOMY	92	1.1	2.4	1.9	2.2	4.6	3.3	5.4	6.2	4.6
HYSTERECTOMY	32	0.0	1.2	*	0.0	2.5	*	3.1	3.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 10,953

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.91	32.37	0.54	0.86	0.01	5.76	5.06	0.21	1.14	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	1.05	0.10	0.93	0.09					
CONGESTIVE HEART FAILURE	1.64	2.00	0.14	0.81	0.05					
PNEUMONIA/INFLUENZA	1.80	1.84	0.13	0.97	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.72	0.08	0.97	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.47	0.07	0.62	0.09					
STROKE	1.06	1.03	0.10	1.04	0.10					
HIP FRACTURE	0.75	0.74	0.08	0.97	0.11					
SEPSIS	0.47	0.38	0.06	1.30	0.21					
PROCEDURES:										
ANGIOPLASTY	0.53	0.29	0.05	1.93	0.36					
CORONARY ARTERY BYPASS GRAFT	0.33	0.39	0.06	0.87	0.14					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.04	0.96	0.21					
CAROTID ENDARTERECTOMY	0.13	0.14	0.04	0.85	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.50	0.07	0.92	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.33	0.06	1.22	0.21					
PROSTATECTOMY	0.50	0.73	0.08	0.70	0.08					
CHOLECYSTECTOMY	0.37	0.54	0.07	0.66	0.09					
HYSTERECTOMY	0.22	0.19	0.04	1.24	0.30					

** QUANTITIES COULD NOT BE ESTIMATED

ST.LOUIS, MO-IL (7040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	78,469	8.8	9.3	0.2	13.5	14.1	0.1	17.0	17.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,472	25.3	26.6	1.4	30.3	29.8	1.7	32.4	32.5	1.4
CONGESTIVE HEART FAILURE	4,226	13.6	14.8	0.8	22.0	23.3	1.1	28.3	29.5	1.2
PNEUMONIA/INFLUENZA	3,960	15.0	16.0	1.0	21.5	22.0	0.8	25.8	25.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,265	6.8	7.9	1.1	13.2	13.7	1.3	17.3	18.1	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,105	2.3	1.8	0.6	4.4	4.0	0.7	6.2	6.5	1.2
STROKE	2,831	17.3	20.5	0.9	22.6	26.8	0.9	26.9	30.5	1.1
HIP FRACTURE	2,022	6.2	6.6	1.1	11.1	11.8	1.4	13.5	15.3	1.5
SEPSIS	1,110	24.3	24.1	1.4	32.5	32.1	1.5	37.6	36.8	2.0
PROCEDURES:										
ANGIOPLASTY	871	4.4	3.1	1.1	5.6	4.1	1.4	6.2	5.0	1.2
CORONARY ARTERY BYPASS GRAFT	1,354	6.1	6.4	0.8	8.7	8.9	0.9	10.3	10.0	1.0
INITIAL PACEMAKER INSERTION	661	1.8	3.5	1.1	5.4	6.7	1.2	8.6	9.6	1.3
CAROTID ENDARTERECTOMY	354	2.3	1.5	0.9	4.0	2.8	1.5	4.8	4.2	1.9
HIP REPLACEMENT/RECONSTRUCTION	1,470	3.3	3.5	0.8	6.1	6.5	1.0	7.8	8.7	1.2
OPEN REDUCTION OF HIP FRACTURE	951	5.8	5.9	1.0	10.6	10.9	1.2	13.5	14.5	1.5
PROSTATECTOMY	2,246	0.8	1.0	0.3	2.0	2.3	0.4	3.8	3.9	0.5
CHOLECYSTECTOMY	1,343	3.7	2.9	0.8	5.7	5.3	0.8	7.4	7.0	0.9
HYSTERECTOMY	610	0.7	0.7	0.5	1.5	1.7	0.9	2.0	2.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 359,470

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.99	28.63	0.09	1.08	0.00	4.94	4.89	0.04	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.85	0.01	1.10	0.02					
CONGESTIVE HEART FAILURE	2.05	1.82	0.02	1.13	0.01					
PNEUMONIA/INFLUENZA	1.63	1.26	0.02	1.29	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.51	0.01	1.17	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.38	0.01	1.05	0.03					
STROKE	1.06	0.97	0.02	1.09	0.02					
HIP FRACTURE	0.71	0.62	0.01	1.14	0.02					
SEPSIS	0.51	0.41	0.01	1.23	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.27	0.01	1.17	0.04					
CORONARY ARTERY BYPASS GRAFT	0.47	0.36	0.01	1.31	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.16	0.04					
CAROTID ENDARTERECTOMY	0.12	0.11	0.01	1.02	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.43	0.01	1.11	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.31	0.01	1.09	0.03					
PROSTATECTOMY	0.71	0.70	0.01	1.03	0.02					
CHOLECYSTECTOMY	0.43	0.41	0.01	1.04	0.03					
HYSTERECTOMY	0.18	0.17	0.01	1.05	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

SPRINGFIELD, MO (7920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,599	7.2	8.5	0.3	11.4	12.9	0.3	14.5	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	619	19.7	26.7	2.6	23.3	29.4	2.6	25.0	32.0	2.7
CONGESTIVE HEART FAILURE	649	14.5	14.5	1.5	22.3	22.9	2.0	29.3	29.0	1.9
PNEUMONIA/INFLUENZA	535	10.5	14.0	1.9	14.8	19.4	2.5	17.4	23.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	160	7.5	6.1	3.1	13.1	11.1	3.9	15.0	15.2	4.9
TRANSIENT CEREBRAL ISCHEMIA	193	1.6	1.8	1.0	3.6	4.1	1.5	7.3	6.6	2.2
STROKE	452	13.1	19.9	2.8	19.2	25.6	2.9	23.0	29.2	3.1
HIP FRACTURE	461	6.7	6.3	1.8	13.7	11.0	2.7	15.4	14.3	2.1
SEPSIS	127	18.9	21.3	3.8	22.0	28.9	4.5	24.4	33.5	5.1
PROCEDURES:										
ANGIOPLASTY	507	4.9	4.6	1.0	6.1	5.6	1.1	6.7	6.6	1.1
CORONARY ARTERY BYPASS GRAFT	361	5.8	7.1	1.8	9.7	9.7	2.0	11.1	10.8	1.8
INITIAL PACEMAKER INSERTION	133	0.8	2.8	2.3	3.0	5.4	3.4	4.5	7.9	3.8
CAROTID ENDARTERECTOMY	104	1.0	1.6	2.0	1.0	2.9	2.7	3.8	4.3	3.0
HIP REPLACEMENT/RECONSTRUCTION	348	3.4	3.5	1.3	6.6	6.4	1.9	8.0	8.6	1.9
OPEN REDUCTION OF HIP FRACTURE	212	6.1	5.7	3.3	15.1	10.3	4.3	16.0	13.7	3.7
PROSTATECTOMY	559	1.4	1.3	0.6	3.2	3.1	0.7	5.2	5.1	1.0
CHOLECYSTECTOMY	351	2.6	3.1	1.2	4.0	5.7	1.7	4.6	7.6	2.2
HYSTERECTOMY	165	2.4	0.9	1.8	3.0	2.0	1.7	4.8	3.1	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 36,205

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.52	29.95	0.29	0.95	0.01	4.38	4.79	0.11	0.91	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.99	0.05	0.97	0.05					
CONGESTIVE HEART FAILURE	1.75	1.82	0.07	0.95	0.04					
PNEUMONIA/INFLUENZA	1.21	1.56	0.07	0.78	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.63	0.04	0.65	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.42	0.03	0.86	0.07					
STROKE	0.93	0.95	0.05	0.97	0.05					
HIP FRACTURE	0.82	0.68	0.04	1.19	0.08					
SEPSIS	0.35	0.36	0.03	0.96	0.09					
PROCEDURES:										
ANGIOPLASTY	0.60	0.28	0.03	2.04	0.21					
CORONARY ARTERY BYPASS GRAFT	0.48	0.39	0.03	1.28	0.11					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.02	1.05	0.13					
CAROTID ENDARTERECTOMY	0.15	0.13	0.02	1.00	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.65	0.49	0.04	1.34	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.03	0.99	0.10					
PROSTATECTOMY	0.83	0.73	0.04	1.16	0.07					
CHOLECYSTECTOMY	0.56	0.50	0.04	1.11	0.08					
HYSTERECTOMY	0.24	0.19	0.02	1.22	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

MO-(NONMSA) (99MO)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	45,384	10.9	10.0	0.2	15.6	15.0	0.3	18.7	18.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,434	32.5	28.0	1.4	36.4	31.1	1.4	38.4	34.1	1.3
CONGESTIVE HEART FAILURE	2,768	16.9	14.8	0.9	24.7	23.3	0.9	30.1	29.6	0.9
PNEUMONIA/INFLUENZA	4,178	15.0	14.9	0.9	20.6	20.7	0.6	24.1	24.5	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,094	7.5	8.2	1.0	11.6	14.3	1.5	15.6	18.8	1.7
TRANSIENT CEREBRAL ISCHEMIA	691	2.6	1.9	1.1	5.6	4.2	1.6	7.5	6.9	1.7
STROKE	2,065	20.8	19.3	1.2	27.1	25.6	1.1	30.6	29.5	1.1
HIP FRACTURE	1,336	7.6	6.4	1.2	11.2	11.3	1.1	13.4	14.8	1.2
SEPSIS	465	23.7	25.9	2.8	32.0	33.4	2.7	38.3	38.1	2.7
PROCEDURES:										
ANGIOPLASTY	231	5.2	3.1	1.5	6.5	4.2	1.7	6.9	5.2	1.7
CORONARY ARTERY BYPASS GRAFT	154	4.5	5.3	2.7	8.4	7.5	2.4	9.1	8.4	2.3
INITIAL PACEMAKER INSERTION	275	3.3	3.1	1.1	5.5	6.1	1.6	7.3	8.9	2.2
CAROTID ENDARTERECTOMY	103	1.0	1.5	1.4	1.9	2.8	2.1	1.9	4.1	2.7
HIP REPLACEMENT/RECONSTRUCTION	753	4.6	4.0	0.8	7.3	7.4	1.2	8.8	10.0	1.3
OPEN REDUCTION OF HIP FRACTURE	626	7.2	6.1	1.3	11.2	11.0	1.3	14.2	14.6	1.5
PROSTATECTOMY	1,158	0.9	1.1	0.4	2.8	2.7	0.6	4.1	4.6	0.7
CHOLECYSTECTOMY	882	3.2	2.4	0.9	5.1	4.4	1.1	6.2	5.9	1.3
HYSTERECTOMY	367	0.8	0.8	0.7	1.1	1.7	0.8	2.5	2.6	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 337,349

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.08	31.65	0.10	0.98	0.00	4.87	4.84	0.04	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	1.05	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.94	1.88	0.02	1.03	0.01					
PNEUMONIA/INFLUENZA	2.12	1.82	0.02	1.16	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.77	0.70	0.01	1.07	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.43	0.01	0.95	0.03					
STROKE	1.12	1.01	0.02	1.10	0.02					
HIP FRACTURE	0.76	0.68	0.01	1.10	0.02					
SEPSIS	0.30	0.36	0.01	0.80	0.03					
PROCEDURES:										
ANGIOPLASTY	0.48	0.29	0.01	1.59	0.06					
CORONARY ARTERY BYPASS GRAFT	0.49	0.40	0.01	1.21	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.12	0.05					
CAROTID ENDARTERECTOMY	0.15	0.14	0.01	1.01	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.50	0.01	1.05	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.31	0.01	1.19	0.04					
PROSTATECTOMY	0.78	0.81	0.02	0.96	0.02					
CHOLECYSTECTOMY	0.52	0.55	0.01	0.94	0.02					
HYSTERECTOMY	0.20	0.19	0.01	1.05	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BILOXI-GULFPORT, MS (0920)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,765	7.5	7.8	0.4	12.2	12.2	0.6	15.1	15.5	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	118	38.1	25.8	6.7	39.8	28.8	6.7	42.4	31.5	6.7
CONGESTIVE HEART FAILURE	321	13.1	15.1	2.8	22.4	24.2	3.7	28.3	30.6	3.2
PNEUMONIA/INFLUENZA	246	10.6	14.9	3.5	16.3	20.7	3.7	21.5	24.3	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	4.9	7.2	3.3	14.7	13.2	3.6	17.6	17.8	4.4
TRANSIENT CEREBRAL ISCHEMIA	102	2.0	1.8	1.3	3.9	4.0	2.6	10.8	6.3	3.7
STROKE	153	13.7	18.8	5.2	18.3	25.2	6.3	22.2	29.0	6.6
HIP FRACTURE	83	6.0	5.2	3.5	7.2	9.6	4.0	8.4	12.6	5.2
SEPSIS	60	23.3	24.9	6.2	36.7	32.6	7.3	43.3	37.0	8.6
PROCEDURES:										
ANGIOPLASTY	21	9.5	3.9	*	9.5	5.5	*	9.5	6.8	*
CORONARY ARTERY BYPASS GRAFT	25	4.0	4.3	*	4.0	6.1	*	4.0	6.9	*
INITIAL PACEMAKER INSERTION	51	5.9	3.2	2.9	13.7	6.3	5.4	17.6	9.2	6.4
CAROTID ENDARTERECTOMY	61	0.0	1.6	2.1	1.6	3.1	2.7	3.3	4.5	3.3
HIP REPLACEMENT/RECONSTRUCTION	62	4.8	3.7	2.7	8.1	7.2	3.5	8.1	9.8	4.1
OPEN REDUCTION OF HIP FRACTURE	32	6.3	4.4	*	6.3	8.2	*	6.3	10.9	*
PROSTATECTOMY	130	0.0	0.9	1.3	0.8	2.2	1.9	2.3	3.7	2.2
CHOLECYSTECTOMY	83	1.2	2.2	1.8	4.8	3.9	2.5	4.8	5.1	2.5
HYSTERECTOMY	22	0.0	0.2	*	0.0	0.4	*	0.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,089

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	39.72	30.31	0.34	1.31	0.01	4.81	4.53	0.13	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.91	0.06	0.84	0.05					
CONGESTIVE HEART FAILURE	2.61	1.88	0.08	1.38	0.06					
PNEUMONIA/INFLUENZA	1.59	1.44	0.07	1.11	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.92	0.69	0.05	1.31	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.65	0.43	0.04	1.51	0.15					
STROKE	0.97	0.98	0.06	0.99	0.06					
HIP FRACTURE	0.51	0.52	0.04	0.98	0.09					
SEPSIS	0.40	0.41	0.04	0.98	0.10					
PROCEDURES:										
ANGIOPLASTY	0.26	0.32	0.04	0.79	0.09					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.04	0.81	0.08					
INITIAL PACEMAKER INSERTION	0.39	0.20	0.03	1.90	0.28					
CAROTID ENDARTERECTOMY	0.34	0.15	0.03	2.24	0.39					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.38	0.04	0.94	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.26	0.03	0.84	0.11					
PROSTATECTOMY	0.70	0.74	0.05	0.94	0.07					
CHOLECYSTECTOMY	0.52	0.49	0.04	1.06	0.09					
HYSTERECTOMY	0.15	0.17	0.03	0.93	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, MS (3560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	15,142	7.8	7.9	0.4	12.2	12.4	0.6	15.2	15.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	344	29.7	26.3	2.8	32.6	29.3	2.8	33.7	32.0	2.6
CONGESTIVE HEART FAILURE	518	14.5	13.1	2.6	22.4	20.9	2.3	26.4	26.6	2.5
PNEUMONIA/INFLUENZA	602	15.3	14.6	1.5	19.3	20.2	1.8	22.9	23.8	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	260	7.7	7.1	1.7	14.2	12.9	2.4	18.8	17.4	2.7
TRANSIENT CEREBRAL ISCHEMIA	239	1.3	1.6	0.8	3.3	3.5	1.3	5.0	5.7	1.6
STROKE	467	21.0	19.2	2.8	27.4	25.5	2.6	30.8	29.2	2.6
HIP FRACTURE	324	8.0	6.4	1.9	11.1	11.4	1.9	15.1	14.9	2.1
SEPSIS	169	27.2	25.0	4.2	37.3	32.5	5.3	43.8	37.4	6.5
PROCEDURES:										
ANGIOPLASTY	149	3.4	3.3	1.5	7.4	4.1	2.1	8.7	5.0	2.2
CORONARY ARTERY BYPASS GRAFT	229	8.7	4.7	2.3	10.9	6.6	2.6	11.8	7.4	2.7
INITIAL PACEMAKER INSERTION	89	1.1	2.7	2.5	2.2	5.2	3.8	3.4	7.6	4.8
CAROTID ENDARTERECTOMY	108	0.9	1.6	1.3	2.8	3.1	1.7	4.6	4.4	2.6
HIP REPLACEMENT/RECONSTRUCTION	179	3.9	3.3	1.9	6.7	6.2	3.2	10.1	8.2	3.4
OPEN REDUCTION OF HIP FRACTURE	179	7.3	6.1	2.7	9.5	11.2	3.4	12.3	15.0	3.8
PROSTATECTOMY	340	0.9	1.1	0.6	2.1	2.6	0.9	3.8	4.4	1.4
CHOLECYSTECTOMY	251	3.6	2.6	1.4	5.6	5.1	1.5	6.4	6.9	1.7
HYSTERECTOMY	123	0.8	0.6	0.8	1.6	1.5	1.3	1.6	2.3	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 48,469

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.72	30.21	0.25	1.02	0.01	4.80	5.02	0.10	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.66	0.77	0.04	0.85	0.04					
CONGESTIVE HEART FAILURE	1.55	1.97	0.06	0.79	0.03					
PNEUMONIA/INFLUENZA	1.52	1.30	0.05	1.17	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.53	0.03	1.33	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.40	0.03	1.20	0.09					
STROKE	0.98	1.05	0.05	0.92	0.04					
HIP FRACTURE	0.53	0.52	0.03	1.04	0.07					
SEPSIS	0.40	0.47	0.03	0.88	0.06					
PROCEDURES:										
ANGIOPLASTY	0.23	0.23	0.02	0.95	0.09					
CORONARY ARTERY BYPASS GRAFT	0.22	0.31	0.02	0.72	0.06					
INITIAL PACEMAKER INSERTION	0.14	0.19	0.02	0.79	0.09					
CAROTID ENDARTERECTOMY	0.09	0.09	0.01	0.99	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.25	0.36	0.03	0.75	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.25	0.02	1.11	0.11					
PROSTATECTOMY	0.53	0.65	0.04	0.82	0.05					
CHOLECYSTECTOMY	0.39	0.39	0.03	0.98	0.07					
HYSTERECTOMY	0.15	0.15	0.02	0.96	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

MEMPHIS, TN-AR-MS (4920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,421	8.1	9.0	0.2	13.4	13.8	0.5	16.8	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	742	22.6	27.2	2.0	27.2	30.2	1.9	31.0	32.7	2.2
CONGESTIVE HEART FAILURE	1,556	13.0	13.4	1.0	22.9	21.3	1.2	29.1	27.2	1.4
PNEUMONIA/INFLUENZA	901	16.6	15.7	1.5	22.5	21.4	1.7	25.7	25.1	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	534	7.9	7.6	2.4	12.9	13.6	2.8	16.7	17.9	3.0
TRANSIENT CEREBRAL ISCHEMIA	521	2.3	1.6	1.1	4.4	3.6	1.8	6.7	5.7	2.0
STROKE	1,212	16.3	19.7	1.6	22.9	26.0	1.8	27.1	29.6	2.4
HIP FRACTURE	624	5.8	6.8	1.3	11.7	11.9	1.6	15.1	15.4	1.5
SEPSIS	608	32.6	29.1	2.4	41.8	36.9	2.9	46.4	41.5	2.9
PROCEDURES:										
ANGIOPLASTY	381	2.4	3.5	1.1	3.9	4.4	1.1	6.0	5.3	1.2
CORONARY ARTERY BYPASS GRAFT	834	6.5	6.1	1.1	9.7	8.5	1.2	11.4	9.6	1.2
INITIAL PACEMAKER INSERTION	356	3.1	3.8	1.7	6.7	7.3	2.5	9.3	10.4	2.4
CAROTID ENDARTERECTOMY	187	1.6	1.6	1.0	1.6	2.9	1.6	4.3	4.2	1.5
HIP REPLACEMENT/RECONSTRUCTION	406	2.5	3.3	1.3	5.7	6.1	1.4	7.4	8.3	1.6
OPEN REDUCTION OF HIP FRACTURE	249	3.2	6.4	2.4	8.0	11.5	3.4	11.2	15.1	3.6
PROSTATECTOMY	1,004	1.1	1.2	0.3	3.1	2.8	0.5	5.6	4.7	0.8
CHOLECYSTECTOMY	533	1.5	2.9	1.0	4.3	5.1	1.3	5.4	6.5	1.5
HYSTERECTOMY	222	0.0	0.6	0.6	2.3	1.4	1.8	3.2	2.3	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 117,521

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.12	30.46	0.16	1.02	0.00	5.18	4.89	0.06	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.65	0.80	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE	1.93	2.01	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	1.04	1.29	0.03	0.81	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.54	0.02	1.16	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.42	0.02	1.11	0.05					
STROKE	1.10	1.07	0.03	1.03	0.03					
HIP FRACTURE	0.57	0.52	0.02	1.09	0.04					
SEPSIS	0.71	0.46	0.02	1.55	0.07					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.26	0.08					
CORONARY ARTERY BYPASS GRAFT	0.53	0.31	0.02	1.70	0.09					
INITIAL PACEMAKER INSERTION	0.30	0.19	0.01	1.54	0.11					
CAROTID ENDARTERECTOMY	0.11	0.09	0.01	1.27	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.36	0.02	0.87	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.25	0.01	0.90	0.05					
PROSTATECTOMY	0.76	0.67	0.02	1.14	0.04					
CHOLECYSTECTOMY	0.42	0.39	0.02	1.06	0.05					
HYSTERECTOMY	0.17	0.16	0.01	1.06	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

PASCAGOULA, MS (6025)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,243	6.5	7.4	0.7	10.6	11.5	0.8	13.7	14.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	65	33.8	31.7	7.9	40.0	34.4	10.1	41.5	36.9	10.0
CONGESTIVE HEART FAILURE	146	13.0	13.1	2.8	21.9	21.1	4.3	28.1	27.3	3.9
PNEUMONIA/INFLUENZA	116	4.3	12.9	4.8	12.9	17.8	4.2	16.4	21.2	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	97	5.2	5.7	2.4	8.2	10.5	3.7	13.4	14.4	3.7
TRANSIENT CEREBRAL ISCHEMIA	49	2.0	2.1	*	4.1	4.5	*	6.1	7.1	*
STROKE	84	20.2	20.5	4.6	31.0	27.1	6.5	36.9	31.0	8.0
HIP FRACTURE	52	5.8	6.1	3.4	15.4	11.3	7.2	17.3	14.9	7.7
SEPSIS	40	25.0	32.1	*	35.0	40.3	*	45.0	44.9	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	27	0.0	2.8	*	7.4	5.4	*	18.5	7.9	*
CAROTID ENDARTERECTOMY	30	6.7	1.9	*	6.7	3.3	*	6.7	4.7	*
HIP REPLACEMENT/RECONSTRUCTION	32	3.1	2.9	*	3.1	5.6	*	6.3	7.3	*
OPEN REDUCTION OF HIP FRACTURE	32	3.1	5.6	*	18.8	10.7	*	18.8	14.6	*
PROSTATECTOMY	56	0.0	1.0	*	0.0	2.3	*	0.0	4.0	*
CHOLECYSTECTOMY	54	3.7	2.7	2.4	5.6	5.1	3.4	11.1	6.8	5.3
HYSTERECTOMY	11	0.0	0.5	*	0.0	1.1	*	0.0	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 10,629

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	55.09	29.63	0.53	1.86	0.03	5.53	4.51	0.21	1.23	0.06
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.40	0.88	0.09	1.60	0.17					
CONGESTIVE HEART FAILURE	3.04	1.87	0.13	1.62	0.11					
PNEUMONIA/INFLUENZA	1.95	1.31	0.11	1.48	0.13					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.83	0.63	0.08	2.87	0.35					
TRANSIENT CEREBRAL ISCHEMIA	0.77	0.41	0.06	1.94	0.30					
STROKE	1.23	0.96	0.09	1.27	0.13					
HIP FRACTURE	0.58	0.51	0.07	1.22	0.17					
SEPSIS	0.80	0.41	0.06	1.97	0.31					
PROCEDURES:										
ANGIOPLASTY	0.42	0.31	0.05	1.45	0.26					
CORONARY ARTERY BYPASS GRAFT	0.57	0.41	0.06	1.49	0.23					
INITIAL PACEMAKER INSERTION	0.46	0.20	0.04	2.45	0.57					
CAROTID ENDARTERECTOMY	0.39	0.14	0.04	2.54	0.73					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.37	0.06	1.36	0.22					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.25	0.05	1.30	0.26					
PROSTATECTOMY	0.76	0.74	0.08	1.06	0.12					
CHOLECYSTECTOMY	0.84	0.47	0.07	1.79	0.26					
HYSTERECTOMY	0.14	0.17	0.04	1.01	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

MS-(NONMSA) (99MS)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	59,690	9.1	8.9	0.1	13.6	13.6	0.2	16.8	17.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,567	29.9	28.0	2.0	34.5	31.1	2.1	36.6	34.1	1.8
CONGESTIVE HEART FAILURE	3,301	15.7	14.1	0.9	23.9	22.6	0.8	29.7	28.6	0.9
PNEUMONIA/INFLUENZA	3,828	13.2	14.9	0.7	18.2	20.6	0.9	22.1	24.2	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,337	6.7	6.6	1.0	10.8	12.1	1.1	14.1	16.4	1.4
TRANSIENT CEREBRAL ISCHEMIA	1,162	1.5	1.7	0.5	4.2	3.9	0.9	7.0	6.4	0.9
STROKE	2,235	22.4	19.8	1.2	29.2	26.4	1.3	33.7	30.4	1.5
HIP FRACTURE	1,013	8.3	6.6	1.4	12.2	11.7	1.3	15.5	15.1	1.4
SEPSIS	787	28.5	28.0	1.6	37.1	36.3	2.3	41.7	41.2	2.7
PROCEDURES:										
ANGIOPLASTY	109	2.8	3.6	2.0	3.7	4.5	2.2	3.7	5.4	2.6
CORONARY ARTERY BYPASS GRAFT	237	4.2	5.5	1.8	4.6	7.4	2.3	5.1	8.4	2.6
INITIAL PACEMAKER INSERTION	346	3.8	3.3	1.1	7.8	6.3	1.8	10.7	9.0	2.6
CAROTID ENDARTERECTOMY	119	1.7	1.4	1.1	1.7	2.7	1.7	2.5	3.9	2.1
HIP REPLACEMENT/RECONSTRUCTION	609	5.1	4.2	1.1	7.4	7.7	1.2	9.7	10.3	1.5
OPEN REDUCTION OF HIP FRACTURE	498	8.2	6.0	1.7	12.4	11.1	1.8	15.7	14.5	2.1
PROSTATECTOMY	1,303	1.4	1.1	0.4	3.2	2.6	0.7	5.1	4.5	0.8
CHOLECYSTECTOMY	828	2.9	2.5	0.7	5.0	4.7	0.8	6.4	6.3	0.9
HYSTERECTOMY	278	1.8	0.6	1.5	2.2	1.2	1.7	2.2	1.8	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 294,736

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	38.61	34.33	0.11	1.12	0.00	5.02	5.21	0.04	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.93	0.02	**	**					
CONGESTIVE HEART FAILURE	2.26	2.19	0.03	1.03	0.01					
PNEUMONIA/INFLUENZA	2.11	1.81	0.02	1.17	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.97	0.70	0.02	1.35	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.66	0.46	0.01	1.41	0.04					
STROKE	1.26	1.21	0.02	1.06	0.02					
HIP FRACTURE	0.55	0.57	0.01	0.96	0.02					
SEPSIS	0.53	0.49	0.01	1.07	0.03					
PROCEDURES:										
ANGIOPLASTY	0.17	0.25	0.01	0.73	0.03					
CORONARY ARTERY BYPASS GRAFT	0.29	0.33	0.01	0.88	0.03					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.01	1.01	0.05					
CAROTID ENDARTERECTOMY	0.12	0.11	0.01	1.14	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.37	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.01	0.94	0.04					
PROSTATECTOMY	0.70	0.71	0.02	0.99	0.02					
CHOLECYSTECTOMY	0.47	0.48	0.01	0.98	0.03					
HYSTERECTOMY	0.15	0.16	0.01	0.91	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BILLINGS, MT (0880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,267	6.4	7.3	0.5	10.3	11.4	0.6	13.4	14.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	130	23.1	26.6	4.2	26.9	29.5	4.2	27.7	32.1	4.6
CONGESTIVE HEART FAILURE	193	9.8	14.1	3.9	19.7	22.5	3.6	25.4	28.7	4.0
PNEUMONIA/INFLUENZA	136	11.0	14.9	6.3	17.6	20.8	6.5	21.3	24.6	6.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	87	11.5	8.6	4.3	16.1	15.2	4.1	21.8	20.1	4.6
TRANSIENT CEREBRAL ISCHEMIA	62	1.6	1.5	2.7	3.2	3.3	2.5	3.2	5.4	3.4
STROKE	144	16.0	21.3	4.6	23.6	27.8	6.3	27.1	31.9	5.8
HIP FRACTURE	117	7.7	6.8	2.8	12.0	12.2	3.2	15.4	16.0	3.5
SEPSIS	44	13.6	24.6	*	25.0	31.3	*	29.5	35.6	*
PROCEDURES:										
ANGIOPLASTY	145	4.8	2.3	1.6	4.8	3.0	1.6	4.8	3.7	1.7
CORONARY ARTERY BYPASS GRAFT	195	4.1	5.2	2.2	6.2	7.4	2.4	8.2	8.4	2.6
INITIAL PACEMAKER INSERTION	49	8.2	3.3	*	12.2	6.4	*	14.3	9.1	*
CAROTID ENDARTERECTOMY	48	2.1	1.7	*	4.2	3.1	*	4.2	4.5	*
HIP REPLACEMENT/RECONSTRUCTION	155	1.9	2.0	1.1	5.2	3.6	2.2	6.5	4.9	3.3
OPEN REDUCTION OF HIP FRACTURE	40	7.5	6.9	*	7.5	12.7	*	12.5	16.7	*
PROSTATECTOMY	169	0.0	0.6	0.8	0.6	1.5	1.2	1.2	2.7	1.9
CHOLECYSTECTOMY	112	2.7	3.1	1.9	4.5	5.4	2.4	5.4	7.0	2.9
HYSTERECTOMY	31	0.0	0.8	*	0.0	1.9	*	0.0	3.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,225

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.63	27.63	0.41	1.04	0.01	4.17	4.54	0.17	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.55	0.91	0.07	0.58	0.05					
CONGESTIVE HEART FAILURE	1.41	1.62	0.10	0.85	0.05					
PNEUMONIA/INFLUENZA	1.00	1.38	0.09	0.72	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.82	0.57	0.06	1.43	0.15					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.36	0.05	0.92	0.12					
STROKE	0.80	0.87	0.07	0.89	0.08					
HIP FRACTURE	0.61	0.60	0.06	0.97	0.10					
SEPSIS	0.31	0.34	0.05	0.88	0.12					
PROCEDURES:										
ANGIOPLASTY	0.43	0.30	0.04	1.43	0.21					
CORONARY ARTERY BYPASS GRAFT	0.48	0.40	0.05	1.19	0.15					
INITIAL PACEMAKER INSERTION	0.13	0.19	0.03	0.66	0.13					
CAROTID ENDARTERECTOMY	0.18	0.13	0.03	1.49	0.34					
HIP REPLACEMENT/RECONSTRUCTION	0.65	0.46	0.05	1.37	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.29	0.04	0.94	0.14					
PROSTATECTOMY	0.52	0.75	0.07	0.66	0.06					
CHOLECYSTECTOMY	0.60	0.47	0.05	1.30	0.15					
HYSTERECTOMY	0.10	0.18	0.03	0.51	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

GREAT FALLS, MT (3040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,581	6.9	7.2	0.4	10.6	11.7	0.6	13.1	15.1	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	78	21.8	24.3	5.6	23.1	27.1	6.3	23.1	29.8	7.6
CONGESTIVE HEART FAILURE	117	12.0	13.4	3.6	17.9	21.7	5.5	19.7	28.0	7.8
PNEUMONIA/INFLUENZA	112	7.1	12.6	3.6	8.9	17.9	4.7	10.7	21.6	5.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	58	12.1	8.1	6.3	17.2	14.5	5.7	20.7	19.4	5.3
TRANSIENT CEREBRAL ISCHEMIA	34	2.9	2.3	*	5.9	5.3	*	11.8	8.4	*
STROKE	114	12.3	18.4	5.4	15.8	25.1	7.0	20.2	29.1	7.3
HIP FRACTURE	76	6.6	5.6	4.5	11.8	10.2	3.8	15.8	13.5	4.3
SEPSIS	26	30.8	21.8	*	38.5	31.1	*	42.3	36.4	*
PROCEDURES:										
ANGIOPLASTY	64	3.1	3.4	2.3	3.1	4.3	2.7	3.1	5.2	3.1
CORONARY ARTERY BYPASS GRAFT	43	4.7	6.4	*	7.0	9.0	*	7.0	10.2	*
INITIAL PACEMAKER INSERTION	20	5.0	2.4	*	5.0	5.0	*	5.0	7.8	*
CAROTID ENDARTERECTOMY	15	6.7	1.4	*	6.7	2.8	*	6.7	4.2	*
HIP REPLACEMENT/RECONSTRUCTION	54	3.7	2.3	2.3	11.1	4.6	6.3	13.0	6.3	6.6
OPEN REDUCTION OF HIP FRACTURE	20	5.0	5.8	*	10.0	10.6	*	20.0	14.0	*
PROSTATECTOMY	145	1.4	0.8	1.0	3.4	1.9	1.7	3.4	3.3	1.5
CHOLECYSTECTOMY	92	3.3	2.4	1.8	6.5	4.5	2.7	6.5	6.0	2.5
HYSTERECTOMY	38	0.0	0.5	*	0.0	1.3	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 11,624

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.41	27.99	0.49	1.27	0.02	4.13	4.59	0.20	0.90	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.93	0.09	0.72	0.07					
CONGESTIVE HEART FAILURE	1.26	1.63	0.12	0.78	0.06					
PNEUMONIA/INFLUENZA	1.25	1.44	0.11	0.88	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.76	0.59	0.07	1.35	0.17					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.36	0.06	0.84	0.14					
STROKE	1.08	0.88	0.09	1.23	0.13					
HIP FRACTURE	0.59	0.61	0.07	0.97	0.12					
SEPSIS	0.28	0.34	0.05	0.80	0.13					
PROCEDURES:										
ANGIOPLASTY	0.49	0.31	0.05	1.43	0.25					
CORONARY ARTERY BYPASS GRAFT	0.34	0.40	0.06	0.83	0.13					
INITIAL PACEMAKER INSERTION	0.14	0.19	0.04	0.79	0.18					
CAROTID ENDARTERECTOMY	0.12	0.14	0.04	0.92	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.46	0.06	0.77	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.14	0.29	0.05	0.48	0.09					
PROSTATECTOMY	0.88	0.77	0.08	1.15	0.13					
CHOLECYSTECTOMY	0.68	0.48	0.06	1.48	0.21					
HYSTERECTOMY	0.29	0.18	0.04	1.75	0.42					

** QUANTITIES COULD NOT BE ESTIMATED

MT-(NONMSA) (99MT)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

	NUMBER	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	16,123	8.1	8.1	0.2	12.1	12.5	0.3	15.2	15.8	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	447	25.1	25.5	2.2	26.6	28.4	2.4	30.4	31.2	3.1
CONGESTIVE HEART FAILURE	695	13.2	14.1	1.5	20.4	22.5	2.0	26.0	28.7	2.0
PNEUMONIA/INFLUENZA	912	12.2	13.4	1.7	16.8	18.9	1.7	21.9	22.7	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	376	6.4	7.8	1.8	11.2	13.7	3.2	16.2	18.3	3.6
TRANSIENT CEREBRAL ISCHEMIA	192	1.6	1.9	1.1	4.2	4.3	1.6	7.8	7.0	2.5
STROKE	523	23.7	19.1	2.1	27.2	25.6	2.0	30.6	29.8	2.3
HIP FRACTURE	401	7.0	6.2	2.2	13.2	11.2	2.6	15.5	14.8	2.5
SEPSIS	143	20.3	24.5	4.0	25.2	32.4	4.9	29.4	37.2	5.1
PROCEDURES:										
ANGIOPLASTY	187	5.9	3.7	1.9	7.5	4.6	2.1	9.1	5.6	2.4
CORONARY ARTERY BYPASS GRAFT	69	5.8	6.1	3.0	7.2	8.4	4.1	7.2	9.4	4.0
INITIAL PACEMAKER INSERTION	75	2.7	2.6	1.9	8.0	4.9	3.7	12.0	7.2	5.5
CAROTID ENDARTERECTOMY	31	0.0	1.3	*	3.2	2.4	*	3.2	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	336	4.8	3.5	1.4	7.1	6.4	1.5	8.9	8.7	1.6
OPEN REDUCTION OF HIP FRACTURE	155	4.5	5.2	2.9	11.6	9.6	3.2	12.9	12.9	3.2
PROSTATECTOMY	466	0.9	1.0	0.5	2.8	2.3	0.9	3.6	3.9	1.0
CHOLECYSTECTOMY	281	3.6	2.2	1.6	6.0	3.9	2.3	7.5	5.2	2.4
HYSTERECTOMY	102	2.0	0.8	1.7	2.0	1.8	1.6	2.0	2.8	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 95,443

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.43	28.79	0.17	1.13	0.01	4.46	4.58	0.07	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.97	0.03	0.93	0.03					
CONGESTIVE HEART FAILURE	1.53	1.65	0.04	0.93	0.02					
PNEUMONIA/INFLUENZA	1.62	1.55	0.04	1.05	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.61	0.03	1.25	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.37	0.02	0.85	0.05					
STROKE	0.88	0.91	0.03	0.96	0.03					
HIP FRACTURE	0.67	0.60	0.02	1.11	0.05					
SEPSIS	0.30	0.33	0.02	0.92	0.06					
PROCEDURES:										
ANGIOPLASTY	0.54	0.30	0.02	1.78	0.12					
CORONARY ARTERY BYPASS GRAFT	0.44	0.41	0.02	1.12	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.86	0.08					
CAROTID ENDARTERECTOMY	0.10	0.14	0.01	0.79	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.63	0.48	0.02	1.31	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.29	0.02	0.88	0.06					
PROSTATECTOMY	0.89	0.84	0.03	1.04	0.04					
CHOLECYSTECTOMY	0.52	0.51	0.02	0.98	0.05					
HYSTERECTOMY	0.17	0.19	0.01	0.93	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

ASHEVILLE, NC (0480)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,624	8.3	8.1	0.4	12.1	12.4	0.5	15.0	15.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	251	22.7	22.0	3.3	26.3	25.1	4.0	28.7	27.8	4.3
CONGESTIVE HEART FAILURE	271	17.0	14.3	4.4	27.7	22.8	4.4	33.2	28.8	4.2
PNEUMONIA/INFLUENZA	241	17.0	14.7	2.4	20.7	20.2	2.8	23.2	23.9	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	91	11.0	6.6	4.4	16.5	11.8	5.2	20.9	15.8	5.9
TRANSIENT CEREBRAL ISCHEMIA	92	2.2	1.7	2.2	9.8	4.0	3.3	13.0	6.6	3.9
STROKE	270	20.0	21.1	3.9	23.7	28.0	4.5	27.0	31.9	4.9
HIP FRACTURE	266	4.1	6.3	2.5	8.6	11.0	3.6	10.9	14.3	4.2
SEPSIS	60	28.3	24.9	10.0	35.0	31.4	8.1	38.3	35.4	7.4
PROCEDURES:										
ANGIOPLASTY	57	1.8	2.0	2.8	3.5	2.9	2.7	3.5	3.8	3.2
CORONARY ARTERY BYPASS GRAFT	167	3.0	5.5	2.1	3.6	7.9	2.8	3.6	8.9	3.2
INITIAL PACEMAKER INSERTION	60	0.0	3.0	3.4	3.3	5.9	5.1	3.3	8.6	7.0
CAROTID ENDARTERECTOMY	76	3.9	1.7	3.0	3.9	3.1	3.0	5.3	4.4	3.2
HIP REPLACEMENT/RECONSTRUCTION	234	2.1	3.0	1.5	5.1	5.3	2.3	5.1	6.9	2.5
OPEN REDUCTION OF HIP FRACTURE	115	4.3	5.8	2.7	7.8	10.8	4.4	10.4	14.3	5.8
PROSTATECTOMY	326	0.6	0.8	0.6	2.5	1.9	0.9	2.8	3.3	1.1
CHOLECYSTECTOMY	174	2.3	2.5	1.9	3.4	4.7	2.7	5.2	6.3	3.3
HYSTERECTOMY	87	0.0	0.5	0.9	0.0	1.3	1.5	0.0	2.2	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 32,015

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.21	29.31	0.30	0.79	0.01	4.55	4.71	0.12	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.93	0.05	0.81	0.05					
CONGESTIVE HEART FAILURE	1.17	1.80	0.07	0.65	0.03					
PNEUMONIA/INFLUENZA	0.90	1.41	0.07	0.63	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.58	0.04	0.63	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.41	0.04	0.80	0.07					
STROKE	0.90	0.97	0.05	0.93	0.05					
HIP FRACTURE	0.79	0.62	0.04	1.28	0.09					
SEPSIS	0.26	0.38	0.03	0.67	0.06					
PROCEDURES:										
ANGIOPLASTY	0.13	0.28	0.03	0.51	0.05					
CORONARY ARTERY BYPASS GRAFT	0.32	0.39	0.03	0.80	0.07					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.65	0.08					
CAROTID ENDARTERECTOMY	0.11	0.13	0.02	0.95	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.44	0.04	1.19	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.29	0.03	1.17	0.13					
PROSTATECTOMY	0.82	0.73	0.05	1.12	0.07					
CHOLECYSTECTOMY	0.47	0.47	0.04	0.97	0.08					
HYSTERECTOMY	0.19	0.18	0.02	1.01	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

BURLINGTON, NC (1300)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,275	11.4	11.7	1.0	16.6	16.6	1.0	20.2	20.0	1.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	106	23.6	27.3	4.6	33.0	30.4	4.7	38.7	33.1	5.7
CONGESTIVE HEART FAILURE	120	9.2	14.5	5.6	20.8	22.6	6.1	24.2	28.3	6.8
PNEUMONIA/INFLUENZA	131	18.3	13.8	6.2	22.1	19.2	5.9	25.2	22.7	5.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	13	0.0	8.1	*	0.0	13.2	*	0.0	16.9	*
TRANSIENT CEREBRAL ISCHEMIA	23	0.0	1.7	*	0.0	4.0	*	0.0	6.8	*
STROKE	134	20.9	20.1	3.5	29.1	25.8	4.7	34.3	29.4	5.1
HIP FRACTURE	95	5.3	6.7	4.5	9.5	11.6	6.0	11.6	15.0	5.9
SEPSIS	52	21.2	20.8	5.6	26.9	27.2	6.8	26.9	31.0	7.3
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	27	7.4	2.9	*	7.4	5.4	*	11.1	7.5	*
CAROTID ENDARTERECTOMY	8	0.0	2.3	*	0.0	4.1	*	0.0	6.1	*
HIP REPLACEMENT/RECONSTRUCTION	40	2.5	2.9	*	5.0	5.4	*	5.0	7.2	*
OPEN REDUCTION OF HIP FRACTURE	51	5.9	6.9	5.3	7.8	12.4	8.3	7.8	16.2	10.0
PROSTATECTOMY	80	0.0	1.0	2.0	0.0	2.2	3.3	1.2	3.7	3.6
CHOLECYSTECTOMY	72	2.8	3.0	2.1	2.8	5.2	3.4	6.9	6.8	3.1
HYSTERECTOMY	22	0.0	0.3	*	0.0	0.7	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,051

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.70	30.26	0.40	0.75	0.01	4.67	4.61	0.16	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.29	0.90	0.07	1.45	0.11					
CONGESTIVE HEART FAILURE	1.23	1.91	0.10	0.65	0.03					
PNEUMONIA/INFLUENZA	1.02	1.31	0.08	0.77	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.20	0.60	0.06	0.31	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.44	0.05	0.52	0.06					
STROKE	1.15	1.01	0.07	1.15	0.08					
HIP FRACTURE	0.58	0.55	0.05	1.07	0.11					
SEPSIS	0.40	0.42	0.05	0.95	0.11					
PROCEDURES:										
ANGIOPLASTY	0.27	0.29	0.04	0.91	0.13					
CORONARY ARTERY BYPASS GRAFT	0.44	0.40	0.05	1.09	0.13					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.03	0.90	0.15					
CAROTID ENDARTERECTOMY	0.11	0.13	0.03	0.74	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.39	0.04	0.90	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.04	1.01	0.14					
PROSTATECTOMY	0.54	0.71	0.06	0.75	0.06					
CHOLECYSTECTOMY	0.52	0.47	0.05	1.08	0.12					
HYSTERECTOMY	0.15	0.17	0.03	0.85	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLOTTE-GASTONIA-ROCK HILL, NC-SC (1520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	26,208	9.3	8.9	0.2	14.1	13.4	0.3	17.6	16.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,167	22.6	24.0	1.7	26.1	26.9	1.7	29.7	29.6	1.7
CONGESTIVE HEART FAILURE	1,296	14.0	13.1	1.2	22.7	20.9	2.0	28.4	26.7	2.3
PNEUMONIA/INFLUENZA	1,242	16.8	14.4	1.5	22.6	19.8	1.8	27.4	23.5	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	311	6.4	6.7	1.8	12.2	11.9	2.3	15.8	15.9	2.5
TRANSIENT CEREBRAL ISCHEMIA	229	1.7	1.6	0.9	3.5	3.6	1.3	3.9	5.8	2.5
STROKE	1,148	18.9	18.6	1.4	24.3	24.8	1.3	28.7	28.5	1.4
HIP FRACTURE	856	4.3	5.7	1.3	9.0	10.2	1.4	11.9	13.4	1.5
SEPSIS	354	24.9	24.7	2.6	33.1	32.4	2.9	37.9	36.9	3.3
PROCEDURES:										
ANGIOPLASTY	444	2.7	3.7	1.3	4.1	4.6	1.3	5.2	5.5	1.5
CORONARY ARTERY BYPASS GRAFT	521	6.5	5.4	1.4	7.5	7.5	1.2	8.6	8.4	1.3
INITIAL PACEMAKER INSERTION	281	3.6	2.8	1.3	6.8	5.5	1.9	8.9	8.1	1.9
CAROTID ENDARTERECTOMY	143	2.1	1.3	1.2	2.1	2.4	1.3	2.8	3.6	1.8
HIP REPLACEMENT/RECONSTRUCTION	634	1.9	3.1	1.2	5.0	5.8	1.2	7.4	7.9	1.2
OPEN REDUCTION OF HIP FRACTURE	401	4.5	5.3	2.2	8.0	9.8	2.7	10.5	13.1	3.1
PROSTATECTOMY	847	2.4	1.1	1.1	3.7	2.5	0.9	5.2	4.2	0.9
CHOLECYSTECTOMY	621	2.3	2.6	0.7	4.5	4.7	0.9	6.4	6.1	1.2
HYSTERECTOMY	255	0.0	0.5	0.6	0.0	1.2	1.1	0.8	2.0	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 141,985

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.29	29.27	0.14	0.86	0.00	4.74	4.61	0.06	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	0.87	0.02	1.19	0.03					
CONGESTIVE HEART FAILURE	1.51	1.86	0.04	0.81	0.02					
PNEUMONIA/INFLUENZA	1.19	1.23	0.03	0.98	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.56	0.02	0.69	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.42	0.02	0.50	0.02					
STROKE	1.01	0.98	0.03	1.02	0.03					
HIP FRACTURE	0.70	0.55	0.02	1.28	0.05					
SEPSIS	0.36	0.41	0.02	0.88	0.04					
PROCEDURES:										
ANGIOPLASTY	0.32	0.28	0.01	1.17	0.06					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.04	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.14	0.07					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.99	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.38	0.02	1.27	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.14	0.06					
PROSTATECTOMY	0.64	0.68	0.02	0.94	0.03					
CHOLECYSTECTOMY	0.50	0.44	0.02	1.14	0.05					
HYSTERECTOMY	0.19	0.17	0.01	1.09	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

FAYETTEVILLE, NC (2560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,830	9.9	9.0	0.7	14.2	13.4	1.0	18.8	16.6	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	76	23.7	23.5	5.0	26.3	26.5	5.3	30.3	29.1	5.5
CONGESTIVE HEART FAILURE	100	15.0	13.0	4.0	21.0	21.0	4.9	26.0	26.8	4.5
PNEUMONIA/INFLUENZA	70	20.0	16.1	4.9	22.9	21.9	5.0	25.7	25.7	5.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	28	3.6	5.7	*	14.3	10.4	*	14.3	14.0	*
TRANSIENT CEREBRAL ISCHEMIA	15	0.0	1.6	*	0.0	3.6	*	6.7	5.9	*
STROKE	60	26.7	21.4	7.0	30.0	26.9	6.2	36.7	30.1	7.5
HIP FRACTURE	37	10.8	6.7	*	18.9	11.8	*	18.9	15.2	*
SEPSIS	32	34.4	28.3	*	37.5	36.2	*	43.8	41.1	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	15	0.0	4.8	*	0.0	8.1	*	6.7	10.4	*
CAROTID ENDARTERECTOMY	10	0.0	1.2	*	0.0	2.4	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	21	0.0	4.0	*	0.0	7.4	*	4.8	10.1	*
OPEN REDUCTION OF HIP FRACTURE	18	5.6	6.7	*	16.7	12.3	*	16.7	16.3	*
PROSTATECTOMY	82	1.2	0.9	1.1	3.7	2.0	2.1	3.7	3.4	2.4
CHOLECYSTECTOMY	35	8.6	2.5	*	11.4	4.1	*	14.3	5.2	*
HYSTERECTOMY	35	0.0	0.5	*	5.7	1.2	*	5.7	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,750

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.44	31.94	0.39	0.73	0.01	4.88	4.55	0.15	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.85	0.06	1.05	0.08					
CONGESTIVE HEART FAILURE	1.64	2.09	0.10	0.78	0.04					
PNEUMONIA/INFLUENZA	0.97	1.32	0.08	0.73	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.69	0.06	0.67	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.48	0.05	0.46	0.05					
STROKE	0.85	1.05	0.07	0.80	0.05					
HIP FRACTURE	0.40	0.46	0.05	0.88	0.09					
SEPSIS	0.40	0.46	0.05	0.84	0.09					
PROCEDURES:										
ANGIOPLASTY	0.12	0.28	0.04	0.37	0.05					
CORONARY ARTERY BYPASS GRAFT	0.26	0.39	0.04	0.65	0.07					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.03	0.82	0.14					
CAROTID ENDARTERECTOMY	0.11	0.13	0.03	0.67	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.27	0.31	0.04	0.91	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.23	0.03	0.87	0.13					
PROSTATECTOMY	0.58	0.64	0.06	0.87	0.08					
CHOLECYSTECTOMY	0.42	0.46	0.05	0.89	0.09					
HYSTERECTOMY	0.24	0.16	0.03	1.50	0.29					

** QUANTITIES COULD NOT BE ESTIMATED

GREENSBORO-WINSTON-SALEM-HIGH POINT, NC (3120)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	27,041	9.2	9.3	0.2	14.2	14.1	0.3	17.6	17.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,065	22.4	25.7	2.1	26.9	28.9	2.4	29.3	31.6	2.1
CONGESTIVE HEART FAILURE	1,232	15.1	13.5	1.6	22.3	21.5	2.1	29.2	27.4	2.6
PNEUMONIA/INFLUENZA	920	16.5	14.9	2.1	21.8	20.5	2.5	26.4	24.2	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	308	12.0	8.0	2.3	19.2	14.0	3.1	24.4	18.6	3.1
TRANSIENT CEREBRAL ISCHEMIA	304	1.3	1.8	0.8	2.6	4.0	1.4	3.9	6.5	2.0
STROKE	1,118	20.5	21.1	1.4	26.9	27.4	1.6	31.9	31.2	1.5
HIP FRACTURE	757	5.8	6.2	1.1	10.8	11.0	1.4	13.9	14.4	1.6
SEPSIS	371	28.0	26.2	3.0	38.8	33.9	3.1	45.0	38.4	3.5
PROCEDURES:										
ANGIOPLASTY	344	3.8	4.3	1.2	4.7	5.4	1.3	5.8	6.4	1.7
CORONARY ARTERY BYPASS GRAFT	528	4.7	6.3	1.6	7.0	8.9	1.7	9.3	10.0	1.9
INITIAL PACEMAKER INSERTION	211	1.9	3.1	1.6	4.7	5.8	2.8	6.2	8.4	3.0
CAROTID ENDARTERECTOMY	146	0.7	1.7	1.4	4.1	3.2	1.9	4.8	4.7	1.8
HIP REPLACEMENT/RECONSTRUCTION	570	4.2	3.8	0.9	7.5	7.0	1.2	9.5	9.4	1.2
OPEN REDUCTION OF HIP FRACTURE	315	7.3	5.8	1.9	13.7	10.7	2.5	16.2	14.1	2.4
PROSTATECTOMY	1,023	1.2	1.1	0.6	3.3	2.5	0.6	5.0	4.1	0.8
CHOLECYSTECTOMY	704	2.3	2.8	0.8	5.5	4.9	1.0	6.3	6.5	1.0
HYSTERECTOMY	321	0.9	0.9	0.7	1.6	1.9	0.9	2.8	2.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 132,651

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.83	29.45	0.15	0.91	0.00	4.63	4.66	0.06	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.88	0.03	1.15	0.03					
CONGESTIVE HEART FAILURE	1.52	1.87	0.04	0.81	0.02					
PNEUMONIA/INFLUENZA	1.05	1.26	0.03	0.83	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.56	0.02	0.70	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.42	0.02	0.74	0.03					
STROKE	1.05	0.99	0.03	1.06	0.03					
HIP FRACTURE	0.71	0.57	0.02	1.24	0.04					
SEPSIS	0.41	0.42	0.02	0.98	0.04					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	0.96	0.05					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.04	0.05					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.01	0.93	0.06					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.86	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.40	0.02	1.23	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.08	0.06					
PROSTATECTOMY	0.88	0.70	0.02	1.24	0.04					
CHOLECYSTECTOMY	0.59	0.44	0.02	1.33	0.05					
HYSTERECTOMY	0.23	0.17	0.01	1.32	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

HICKORY, NC (3290)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,770	9.3	8.6	0.5	14.2	13.0	0.6	17.5	16.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	192	22.9	23.9	3.1	27.6	26.8	3.6	31.3	29.5	3.4
CONGESTIVE HEART FAILURE	286	15.7	13.4	2.5	25.2	21.4	3.4	32.2	27.3	4.2
PNEUMONIA/INFLUENZA	396	13.1	14.7	2.4	18.9	20.1	2.2	24.2	23.7	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	67	9.0	6.5	4.5	16.4	12.0	5.4	19.4	16.4	5.0
TRANSIENT CEREBRAL ISCHEMIA	81	0.0	1.8	2.2	1.2	4.1	3.2	3.7	6.5	3.5
STROKE	210	20.0	20.5	2.9	26.7	26.7	3.2	28.6	30.4	3.7
HIP FRACTURE	185	7.0	5.3	2.1	9.7	9.6	2.3	12.4	12.6	2.5
SEPSIS	75	33.3	22.4	9.1	40.0	29.2	9.9	44.0	33.9	9.9
PROCEDURES:										
ANGIOPLASTY	20	5.0	3.5	*	5.0	4.6	*	5.0	5.7	*
CORONARY ARTERY BYPASS GRAFT	57	0.0	5.5	4.2	1.8	7.6	4.9	1.8	8.5	5.1
INITIAL PACEMAKER INSERTION	34	0.0	3.4	*	2.9	6.2	*	2.9	8.6	*
CAROTID ENDARTERECTOMY	25	8.0	1.0	*	8.0	2.0	*	12.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	119	3.4	2.8	1.7	5.9	5.4	2.1	9.2	7.4	2.9
OPEN REDUCTION OF HIP FRACTURE	86	5.8	5.4	2.5	9.3	9.9	3.3	10.5	13.1	4.3
PROSTATECTOMY	159	1.3	0.8	0.9	2.5	2.0	1.2	4.4	3.4	1.7
CHOLECYSTECTOMY	161	3.1	1.7	1.6	4.3	3.1	1.9	5.6	4.1	2.1
HYSTERECTOMY	53	0.0	0.2	*	0.0	0.6	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 31,716

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.10	29.87	0.31	0.91	0.01	4.55	4.45	0.12	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.93	0.05	1.13	0.07					
CONGESTIVE HEART FAILURE	1.53	1.84	0.08	0.84	0.03					
PNEUMONIA/INFLUENZA	1.64	1.39	0.07	1.19	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.65	0.05	0.54	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.43	0.04	0.81	0.07					
STROKE	0.84	0.94	0.05	0.88	0.05					
HIP FRACTURE	0.64	0.56	0.04	1.15	0.09					
SEPSIS	0.37	0.37	0.03	**	**					
PROCEDURES:										
ANGIOPLASTY	0.20	0.30	0.03	0.66	0.07					
CORONARY ARTERY BYPASS GRAFT	0.40	0.42	0.04	0.93	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.70	0.10					
CAROTID ENDARTERECTOMY	0.13	0.14	0.02	0.92	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.40	0.04	1.23	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.03	1.05	0.12					
PROSTATECTOMY	0.65	0.69	0.05	0.92	0.06					
CHOLECYSTECTOMY	0.58	0.50	0.04	1.16	0.09					
HYSTERECTOMY	0.18	0.18	0.02	0.91	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSONVILLE, NC (3605)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	954	11.5	10.8	1.2	16.1	15.6	1.2	18.8	19.0	1.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	34	35.3	30.5	*	41.2	33.2	*	44.1	35.7	*
CONGESTIVE HEART FAILURE	66	15.2	13.6	4.4	22.7	21.0	5.4	25.8	26.7	6.2
PNEUMONIA/INFLUENZA	73	15.1	13.9	4.3	17.8	19.1	4.8	24.7	22.6	5.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	3	0.0	21.8	*	0.0	31.0	*	0.0	37.9	*
TRANSIENT CEREBRAL ISCHEMIA	10	0.0	1.4	*	0.0	3.0	*	20.0	4.8	*
STROKE	43	25.6	23.5	*	27.9	29.0	*	32.6	32.4	*
HIP FRACTURE	29	13.8	6.6	*	20.7	11.0	*	20.7	13.8	*
SEPSIS	13	30.8	30.1	*	38.5	38.2	*	38.5	42.9	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	9	11.1	6.8	*	11.1	12.2	*	11.1	16.5	*
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	13	15.4	3.9	*	15.4	6.9	*	15.4	8.9	*
OPEN REDUCTION OF HIP FRACTURE	18	11.1	6.6	*	22.2	11.1	*	22.2	14.1	*
PROSTATECTOMY	31	3.2	1.5	*	3.2	3.3	*	3.2	5.3	*
CHOLECYSTECTOMY	18	0.0	4.1	*	5.6	7.4	*	5.6	9.4	*
HYSTERECTOMY	2	0.0	0.0	*	0.0	0.1	*	0.0	0.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 8,077

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.04	30.99	0.62	0.84	0.02	4.48	4.32	0.23	1.03	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.96	0.11	0.80	0.09					
CONGESTIVE HEART FAILURE	1.44	1.92	0.15	0.74	0.06					
PNEUMONIA/INFLUENZA	1.37	1.39	0.13	0.99	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.14	0.71	0.10	0.19	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.48	0.08	0.50	0.08					
STROKE	0.98	1.00	0.11	0.96	0.11					
HIP FRACTURE	0.51	0.50	0.08	0.96	0.16					
SEPSIS	0.25	0.39	0.07	0.65	0.12					
PROCEDURES:										
ANGIOPLASTY	0.20	0.30	0.06	0.52	0.11					
CORONARY ARTERY BYPASS GRAFT	0.36	0.44	0.07	0.83	0.14					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.05	0.85	0.24					
CAROTID ENDARTERECTOMY	0.24	0.14	0.05	1.77	0.62					
HIP REPLACEMENT/RECONSTRUCTION	0.26	0.36	0.07	0.75	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.24	0.05	1.15	0.29					
PROSTATECTOMY	0.72	0.72	0.09	1.08	0.14					
CHOLECYSTECTOMY	0.43	0.52	0.08	0.77	0.12					
HYSTERECTOMY	0.07	0.18	0.05	0.33	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

RALEIGH-DURHAM, NC (6640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	22,326	7.6	8.5	0.2	12.1	13.0	0.3	15.6	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	819	19.0	23.5	2.3	23.6	26.5	2.6	26.1	29.2	2.5
CONGESTIVE HEART FAILURE	842	13.8	12.9	1.4	24.1	20.6	2.0	30.4	26.4	2.1
PNEUMONIA/INFLUENZA	720	13.9	15.2	2.6	19.9	21.0	2.1	24.4	24.8	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	192	6.2	7.9	2.3	15.6	13.7	3.0	21.4	18.0	3.6
TRANSIENT CEREBRAL ISCHEMIA	207	1.4	1.7	1.3	4.8	3.6	1.9	6.3	5.7	2.3
STROKE	763	16.5	20.4	1.8	23.5	26.8	2.4	27.3	30.4	1.9
HIP FRACTURE	450	5.1	6.5	1.6	10.2	11.3	1.7	13.8	14.7	2.1
SEPSIS	236	26.3	24.3	3.9	33.5	32.1	4.1	40.7	36.8	5.0
PROCEDURES:										
ANGIOPLASTY	504	3.6	3.7	1.0	4.0	4.7	1.2	5.0	5.6	1.4
CORONARY ARTERY BYPASS GRAFT	736	5.2	6.2	1.4	7.3	8.6	1.2	9.1	9.7	1.2
INITIAL PACEMAKER INSERTION	142	1.4	3.2	2.4	2.8	6.2	3.7	5.6	8.9	4.3
CAROTID ENDARTERECTOMY	137	1.5	1.5	1.1	1.5	2.8	2.0	2.9	4.1	2.8
HIP REPLACEMENT/RECONSTRUCTION	443	2.0	2.9	1.3	3.6	5.3	1.5	5.4	7.1	1.7
OPEN REDUCTION OF HIP FRACTURE	187	3.7	6.0	2.5	9.6	10.8	2.5	13.9	14.2	2.6
PROSTATECTOMY	588	1.2	0.9	0.5	2.6	2.1	0.8	3.7	3.5	1.0
CHOLECYSTECTOMY	387	3.4	2.8	0.9	4.4	5.1	1.3	6.2	6.8	1.4
HYSTERECTOMY	246	1.6	0.9	1.2	3.3	2.0	2.3	4.5	3.2	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 77,462

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	25.44	28.90	0.19	0.88	0.01	4.61	4.81	0.08	0.96	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.78	0.03	1.13	0.05					
CONGESTIVE HEART FAILURE	1.46	1.88	0.05	0.78	0.02					
PNEUMONIA/INFLUENZA	1.08	1.13	0.04	0.95	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.28	0.49	0.02	0.55	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.40	0.02	0.66	0.04					
STROKE	1.00	1.00	0.04	**	**					
HIP FRACTURE	0.61	0.54	0.03	1.14	0.06					
SEPSIS	0.41	0.45	0.02	0.90	0.05					
PROCEDURES:										
ANGIOPLASTY	0.29	0.26	0.02	1.10	0.08					
CORONARY ARTERY BYPASS GRAFT	0.38	0.34	0.02	1.10	0.07					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.02	0.74	0.06					
CAROTID ENDARTERECTOMY	0.11	0.10	0.01	1.07	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.36	0.02	1.22	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.02	0.96	0.07					
PROSTATECTOMY	0.62	0.65	0.03	0.96	0.04					
CHOLECYSTECTOMY	0.41	0.38	0.02	1.10	0.06					
HYSTERECTOMY	0.20	0.16	0.01	1.25	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, NC (9200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	4,862	7.9	8.5	0.5	13.1	13.0	0.5	16.6	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	130	26.9	28.1	4.4	31.5	30.9	4.4	36.9	33.5	5.1
CONGESTIVE HEART FAILURE	233	14.6	13.6	2.5	22.7	21.7	4.2	28.8	27.7	4.2
PNEUMONIA/INFLUENZA	157	10.8	14.4	3.4	21.7	19.6	3.3	24.8	23.2	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	83	4.8	5.7	2.6	10.8	10.5	3.4	16.9	14.3	5.0
TRANSIENT CEREBRAL ISCHEMIA	74	1.4	1.6	1.5	5.4	3.6	2.8	8.1	5.7	3.4
STROKE	171	20.5	18.9	3.4	25.7	24.9	3.6	27.5	28.6	3.6
HIP FRACTURE	121	4.1	5.4	3.2	10.7	9.7	2.9	13.2	12.8	3.1
SEPSIS	65	30.8	27.7	7.0	36.9	35.4	6.9	41.5	40.1	6.7
PROCEDURES:										
ANGIOPLASTY	46	0.0	3.3	*	0.0	4.2	*	0.0	5.0	*
CORONARY ARTERY BYPASS GRAFT	92	0.0	4.2	3.0	2.2	5.9	3.2	3.3	6.6	3.1
INITIAL PACEMAKER INSERTION	49	4.1	3.5	*	8.2	6.7	*	10.2	9.7	*
CAROTID ENDARTERECTOMY	45	0.0	1.3	*	0.0	2.5	*	2.2	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	95	3.2	3.3	1.9	7.4	6.5	2.7	7.4	8.9	3.2
OPEN REDUCTION OF HIP FRACTURE	38	2.6	4.7	*	13.2	8.7	*	15.8	11.6	*
PROSTATECTOMY	146	1.4	0.9	0.9	5.5	2.1	3.0	6.2	3.6	2.5
CHOLECYSTECTOMY	89	1.1	2.3	2.7	3.4	4.0	4.1	4.5	5.0	4.1
HYSTERECTOMY	55	0.0	0.4	1.0	1.8	1.0	1.5	1.8	1.5	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,948

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	27.07	30.83	0.41	0.88	0.01	4.24	4.59	0.16	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.64	0.88	0.07	0.72	0.06					
CONGESTIVE HEART FAILURE	1.46	2.01	0.11	0.72	0.04					
PNEUMONIA/INFLUENZA	0.99	1.30	0.08	0.76	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.69	0.62	0.06	1.11	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.47	0.05	0.82	0.09					
STROKE	0.89	1.03	0.08	0.86	0.06					
HIP FRACTURE	0.59	0.52	0.05	1.12	0.12					
SEPSIS	0.42	0.43	0.05	0.94	0.11					
PROCEDURES:										
ANGIOPLASTY	0.26	0.29	0.04	0.88	0.13					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.05	1.01	0.12					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.03	1.10	0.19					
CAROTID ENDARTERECTOMY	0.22	0.13	0.03	1.52	0.34					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.37	0.05	1.09	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.18	0.26	0.04	0.71	0.11					
PROSTATECTOMY	0.64	0.70	0.06	0.90	0.08					
CHOLECYSTECTOMY	0.47	0.46	0.05	1.00	0.11					
HYSTERECTOMY	0.21	0.17	0.03	1.25	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

NC-(NONMSA) (99NC)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	75,605	9.7	9.4	0.1	14.5	14.0	0.2	17.9	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,827	26.2	26.4	0.8	30.5	29.6	1.4	33.5	32.4	1.4
CONGESTIVE HEART FAILURE	4,245	14.8	13.9	0.8	22.4	22.1	0.8	29.2	28.1	0.9
PNEUMONIA/INFLUENZA	4,263	15.6	15.2	1.1	22.0	20.8	1.3	25.4	24.5	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,185	8.8	7.1	0.9	15.3	12.6	1.3	18.6	17.0	1.2
TRANSIENT CEREBRAL ISCHEMIA	1,107	2.0	1.8	0.6	3.4	4.2	0.8	5.3	6.7	1.1
STROKE	3,656	19.4	19.3	1.1	26.6	25.5	1.0	31.1	29.3	1.2
HIP FRACTURE	1,942	6.3	6.4	0.6	10.1	11.1	0.9	13.0	14.3	1.2
SEPSIS	1,087	23.0	24.3	1.6	30.1	31.7	2.1	35.4	36.2	2.1
PROCEDURES:										
ANGIOPLASTY	133	3.0	2.7	1.4	3.0	3.4	1.8	5.3	4.2	1.8
CORONARY ARTERY BYPASS GRAFT	188	5.3	5.5	1.9	10.6	7.5	2.7	11.2	8.4	3.0
INITIAL PACEMAKER INSERTION	417	3.8	3.6	1.0	7.0	7.0	1.4	11.0	10.0	2.1
CAROTID ENDARTERECTOMY	231	0.4	1.5	1.5	1.3	2.8	2.4	2.6	4.0	3.0
HIP REPLACEMENT/RECONSTRUCTION	1,249	3.3	3.8	0.7	6.4	6.9	0.9	8.2	9.2	1.2
OPEN REDUCTION OF HIP FRACTURE	919	6.2	5.7	0.9	9.9	10.3	1.4	12.9	13.6	1.4
PROSTATECTOMY	2,280	0.7	1.2	0.4	2.4	2.7	0.4	4.2	4.5	0.5
CHOLECYSTECTOMY	1,664	2.8	2.4	0.4	4.8	4.4	0.6	6.4	5.9	0.8
HYSTERECTOMY	641	0.2	0.5	0.3	0.3	1.1	0.5	0.6	1.8	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 475,256

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.16	31.93	0.08	0.91	0.00	4.53	4.66	0.03	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.18	0.93	0.01	1.27	0.02					
CONGESTIVE HEART FAILURE	1.76	2.04	0.02	0.87	0.01					
PNEUMONIA/INFLUENZA	1.38	1.48	0.02	0.94	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.68	0.01	0.72	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.46	0.01	0.76	0.02					
STROKE	1.14	1.07	0.01	1.07	0.01					
HIP FRACTURE	0.58	0.53	0.01	1.09	0.02					
SEPSIS	0.38	0.43	0.01	0.89	0.02					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	1.00	0.03					
CORONARY ARTERY BYPASS GRAFT	0.38	0.39	0.01	0.96	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.01	0.91	0.03					
CAROTID ENDARTERECTOMY	0.12	0.13	0.01	1.00	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.37	0.01	1.15	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.26	0.01	1.05	0.03					
PROSTATECTOMY	0.70	0.73	0.01	0.98	0.02					
CHOLECYSTECTOMY	0.50	0.49	0.01	1.02	0.02					
HYSTERECTOMY	0.20	0.17	0.01	1.15	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BISMARK, ND (1010)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	4,080	7.7	7.9	0.4	11.7	12.2	0.6	14.6	15.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	126	19.0	27.3	5.9	22.2	30.3	6.4	23.8	32.9	6.8
CONGESTIVE HEART FAILURE	144	14.6	15.9	4.5	22.2	24.8	4.1	29.2	31.2	4.2
PNEUMONIA/INFLUENZA	139	14.4	13.8	3.2	19.4	19.5	4.0	21.6	23.4	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	32	0.0	7.7	*	3.1	14.1	*	3.1	19.2	*
TRANSIENT CEREBRAL ISCHEMIA	36	0.0	1.9	*	2.8	4.5	*	8.3	7.4	*
STROKE	116	24.1	21.5	6.0	31.0	29.1	9.5	39.7	33.3	9.2
HIP FRACTURE	108	10.2	7.2	3.4	13.0	12.5	3.2	13.9	16.3	4.1
SEPSIS	34	17.6	16.8	*	20.6	23.9	*	23.5	28.5	*
PROCEDURES:										
ANGIOPLASTY	88	2.3	3.2	2.5	4.5	4.0	2.5	4.5	4.9	2.3
CORONARY ARTERY BYPASS GRAFT	160	8.1	5.5	2.8	8.7	7.7	2.3	8.7	8.7	2.4
INITIAL PACEMAKER INSERTION	45	2.2	3.9	*	2.2	7.5	*	4.4	10.6	*
CAROTID ENDARTERECTOMY	52	0.0	1.5	2.2	0.0	2.7	3.4	3.8	4.0	2.8
HIP REPLACEMENT/RECONSTRUCTION	121	3.3	2.2	1.6	6.6	4.1	2.8	7.4	5.7	3.4
OPEN REDUCTION OF HIP FRACTURE	75	9.3	6.1	3.2	10.7	10.9	3.6	12.0	14.6	4.3
PROSTATECTOMY	221	0.9	0.7	0.6	1.4	1.5	0.9	4.1	2.6	1.7
CHOLECYSTECTOMY	102	2.9	2.1	1.6	3.9	3.9	2.1	4.9	5.3	2.6
HYSTERECTOMY	66	0.0	0.5	0.9	1.5	1.1	1.5	1.5	1.8	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 11,217

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	29.72	28.47	0.50	1.04	0.02	4.26	4.69	0.20	0.91	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.93	0.09	0.91	0.09					
CONGESTIVE HEART FAILURE	1.44	1.67	0.12	0.86	0.06					
PNEUMONIA/INFLUENZA	1.31	1.47	0.11	0.89	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.58	0.07	0.96	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.37	0.06	1.05	0.17					
STROKE	0.91	0.90	0.09	0.98	0.10					
HIP FRACTURE	0.51	0.64	0.08	0.78	0.10					
SEPSIS	0.32	0.34	0.06	0.86	0.15					
PROCEDURES:										
ANGIOPLASTY	0.33	0.29	0.05	1.02	0.19					
CORONARY ARTERY BYPASS GRAFT	0.61	0.38	0.06	1.55	0.25					
INITIAL PACEMAKER INSERTION	0.20	0.19	0.04	1.01	0.24					
CAROTID ENDARTERECTOMY	0.23	0.13	0.04	1.74	0.52					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.47	0.06	1.07	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.05	1.15	0.21					
PROSTATECTOMY	1.08	0.75	0.08	1.44	0.16					
CHOLECYSTECTOMY	0.62	0.48	0.07	1.30	0.19					
HYSTERECTOMY	0.31	0.18	0.04	1.62	0.40					

** QUANTITIES COULD NOT BE ESTIMATED

FARGO-MOORHEAD, ND-MN (2520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,956	8.0	8.3	0.5	12.6	12.7	0.5	15.4	16.0	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	190	25.8	25.6	4.4	26.8	28.9	4.6	30.5	31.6	4.6
CONGESTIVE HEART FAILURE	184	15.2	16.2	3.5	28.8	25.6	4.1	34.2	32.4	3.7
PNEUMONIA/INFLUENZA	166	15.7	15.9	3.1	21.1	22.1	4.8	24.7	26.4	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	51	19.6	8.7	6.6	27.5	15.6	8.6	31.4	20.7	9.5
TRANSIENT CEREBRAL ISCHEMIA	56	0.0	1.5	2.0	0.0	3.5	3.9	3.6	5.9	3.7
STROKE	174	19.5	19.8	3.0	23.6	25.9	3.7	26.4	29.8	3.8
HIP FRACTURE	235	4.3	6.4	3.1	8.9	11.4	4.5	12.8	15.0	4.8
SEPSIS	68	20.6	26.9	7.3	30.9	35.6	7.2	36.8	40.9	7.8
PROCEDURES:										
ANGIOPLASTY	121	1.7	3.1	1.7	2.5	4.0	1.9	4.1	4.9	2.0
CORONARY ARTERY BYPASS GRAFT	223	5.8	5.1	1.7	9.0	7.5	2.1	10.3	8.5	2.4
INITIAL PACEMAKER INSERTION	32	3.1	4.2	*	6.3	8.3	*	6.3	11.8	*
CAROTID ENDARTERECTOMY	44	2.3	1.5	*	2.3	2.8	*	2.3	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	272	2.2	2.6	1.1	4.8	5.0	1.3	7.0	6.9	1.6
OPEN REDUCTION OF HIP FRACTURE	112	3.6	5.7	3.1	8.9	10.5	3.7	13.4	14.0	3.5
PROSTATECTOMY	242	0.8	0.8	0.6	2.5	1.9	1.0	4.1	3.3	1.4
CHOLECYSTECTOMY	153	2.6	2.7	1.4	5.2	5.3	2.2	5.2	7.4	2.9
HYSTERECTOMY	75	0.0	1.0	1.4	2.7	2.1	1.8	2.7	3.2	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 18,326

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.38	28.12	0.39	0.87	0.01	4.45	4.95	0.16	0.90	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	0.92	0.07	0.77	0.06					
CONGESTIVE HEART FAILURE	1.39	1.65	0.10	0.84	0.05					
PNEUMONIA/INFLUENZA	1.15	1.51	0.09	0.78	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.54	0.05	0.66	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.35	0.04	0.76	0.10					
STROKE	0.87	0.91	0.07	0.92	0.07					
HIP FRACTURE	0.84	0.70	0.06	1.18	0.11					
SEPSIS	0.46	0.35	0.04	1.23	0.16					
PROCEDURES:										
ANGIOPLASTY	0.29	0.27	0.04	1.05	0.16					
CORONARY ARTERY BYPASS GRAFT	0.43	0.35	0.04	1.20	0.16					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.75	0.13					
CAROTID ENDARTERECTOMY	0.07	0.12	0.03	0.52	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.81	0.50	0.05	1.60	0.18					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.33	0.04	1.07	0.15					
PROSTATECTOMY	0.62	0.75	0.06	0.81	0.07					
CHOLECYSTECTOMY	0.57	0.46	0.05	1.28	0.15					
HYSTERECTOMY	0.25	0.18	0.03	1.37	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

GRAND FORKS, ND (2985)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	2,338	8.4	8.0	0.6	12.6	12.3	0.8	15.1	15.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	92	32.6	28.3	6.8	33.7	31.4	6.0	34.8	34.2	5.2
CONGESTIVE HEART FAILURE	79	13.9	13.5	4.2	22.8	21.1	5.0	29.1	27.2	5.9
PNEUMONIA/INFLUENZA	109	11.9	13.3	3.6	19.3	19.0	4.2	20.2	22.8	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	20	20.0	6.3	*	25.0	11.8	*	30.0	15.8	*
TRANSIENT CEREBRAL ISCHEMIA	16	0.0	3.0	*	6.3	6.6	*	12.5	10.5	*
STROKE	80	17.5	16.6	4.5	21.2	23.1	6.5	21.2	26.9	6.4
HIP FRACTURE	123	7.3	6.2	4.1	13.8	11.1	5.0	17.9	14.6	4.8
SEPSIS	17	35.3	30.4	*	41.2	38.7	*	47.1	44.0	*
PROCEDURES:										
ANGIOPLASTY	40	5.0	3.5	*	5.0	4.4	*	7.5	5.4	*
CORONARY ARTERY BYPASS GRAFT	49	4.1	4.8	*	4.1	6.8	*	4.1	7.7	*
INITIAL PACEMAKER INSERTION	22	4.5	3.2	*	9.1	5.8	*	9.1	8.4	*
CAROTID ENDARTERECTOMY	9	0.0	1.1	*	0.0	2.0	*	0.0	3.0	*
HIP REPLACEMENT/RECONSTRUCTION	150	0.7	2.3	2.0	2.0	4.3	2.7	4.0	5.7	2.9
OPEN REDUCTION OF HIP FRACTURE	59	6.8	5.6	4.2	13.6	10.3	5.1	15.3	13.8	5.1
PROSTATECTOMY	65	0.0	0.7	*	0.0	1.7	*	0.0	2.9	*
CHOLECYSTECTOMY	47	0.0	3.1	*	2.1	5.2	*	2.1	6.9	*
HYSTERECTOMY	22	0.0	0.3	*	4.5	0.8	*	4.5	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 7,036

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	22.87	28.02	0.63	0.82	0.02	4.53	4.94	0.26	0.91	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.01	0.90	0.11	1.07	0.14					
CONGESTIVE HEART FAILURE	1.09	1.65	0.15	0.65	0.06					
PNEUMONIA/INFLUENZA	1.29	1.47	0.14	0.86	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.53	0.09	0.53	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.35	0.07	0.55	0.12					
STROKE	0.91	0.90	0.11	0.96	0.13					
HIP FRACTURE	0.68	0.69	0.10	0.97	0.15					
SEPSIS	0.31	0.35	0.07	0.86	0.19					
PROCEDURES:										
ANGIOPLASTY	0.37	0.26	0.06	1.43	0.37					
CORONARY ARTERY BYPASS GRAFT	0.38	0.35	0.07	1.15	0.26					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.05	1.71	0.54					
CAROTID ENDARTERECTOMY	0.13	0.11	0.04	1.05	0.47					
HIP REPLACEMENT/RECONSTRUCTION	0.65	0.49	0.08	1.47	0.27					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.33	0.07	0.82	0.19					
PROSTATECTOMY	0.50	0.72	0.10	0.69	0.10					
CHOLECYSTECTOMY	0.36	0.45	0.08	0.79	0.15					
HYSTERECTOMY	0.09	0.18	0.05	0.67	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

ND-(NONMSA) (99ND)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,801	8.8	10.0	0.3	12.9	15.0	0.4	15.9	18.6	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	386	30.3	29.0	2.5	34.2	32.2	2.8	36.0	35.3	2.6
CONGESTIVE HEART FAILURE	693	13.3	15.8	1.6	19.9	24.6	2.2	26.3	31.1	2.5
PNEUMONIA/INFLUENZA	930	12.6	16.5	1.3	16.9	22.8	1.5	20.3	26.9	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	213	4.2	7.2	2.9	9.9	13.0	3.5	15.0	17.7	4.0
TRANSIENT CEREBRAL ISCHEMIA	137	0.7	2.1	1.4	1.5	4.8	2.4	5.1	7.8	3.7
STROKE	405	21.0	21.4	2.2	27.7	28.0	2.6	30.6	32.1	2.7
HIP FRACTURE	212	4.7	6.2	2.1	9.4	11.3	4.3	11.8	14.9	4.7
SEPSIS	147	19.7	24.5	6.2	28.6	32.3	6.3	32.7	36.8	6.1
PROCEDURES:										
ANGIOPLASTY	1	0.0	10.4	*	0.0	13.6	*	0.0	16.1	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	37	5.4	3.4	*	10.8	6.5	*	13.5	9.2	*
CAROTID ENDARTERECTOMY	15	0.0	2.1	*	0.0	4.0	*	6.7	5.8	*
HIP REPLACEMENT/RECONSTRUCTION	130	2.3	3.5	2.1	7.7	6.7	2.5	8.5	9.2	2.8
OPEN REDUCTION OF HIP FRACTURE	85	3.5	5.6	2.8	5.9	10.5	4.1	10.6	14.2	4.2
PROSTATECTOMY	331	0.6	1.1	0.6	1.5	2.6	1.0	2.4	4.4	1.5
CHOLECYSTECTOMY	167	1.2	1.6	1.3	1.2	3.0	2.0	1.8	4.1	2.4
HYSTERECTOMY	85	0.0	0.3	0.7	1.2	0.8	1.1	2.4	1.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 72,869

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.20	29.00	0.20	1.14	0.01	4.56	4.76	0.08	0.95	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.12	0.99	0.04	1.13	0.05					
CONGESTIVE HEART FAILURE	2.20	1.64	0.05	1.34	0.04					
PNEUMONIA/INFLUENZA	2.12	1.62	0.05	1.30	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.54	0.03	1.21	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.36	0.02	1.04	0.08					
STROKE	1.00	0.96	0.04	1.05	0.04					
HIP FRACTURE	0.68	0.67	0.03	0.96	0.05					
SEPSIS	0.35	0.33	0.02	1.04	0.08					
PROCEDURES:										
ANGIOPLASTY	0.23	0.27	0.02	0.87	0.08					
CORONARY ARTERY BYPASS GRAFT	0.47	0.39	0.02	1.14	0.09					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.02	0.95	0.11					
CAROTID ENDARTERECTOMY	0.14	0.12	0.01	1.01	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.60	0.53	0.03	1.15	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.02	1.01	0.09					
PROSTATECTOMY	1.00	0.89	0.04	1.15	0.05					
CHOLECYSTECTOMY	0.52	0.51	0.03	1.02	0.06					
HYSTERECTOMY	0.25	0.19	0.02	1.30	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

LINCOLN, NE (4360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,548	9.0	7.3	0.4	13.4	11.3	0.6	16.2	14.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	204	24.5	23.6	4.3	28.9	26.6	3.7	29.9	29.2	3.4
CONGESTIVE HEART FAILURE	194	17.0	13.6	3.7	26.3	21.4	6.1	33.0	27.2	6.7
PNEUMONIA/INFLUENZA	195	15.4	15.2	2.8	22.6	21.0	3.4	28.2	24.9	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	15.3	8.0	4.9	23.6	13.8	6.8	30.6	18.2	7.5
TRANSIENT CEREBRAL ISCHEMIA	51	0.0	1.8	2.5	3.9	4.1	2.9	9.8	6.6	4.5
STROKE	194	20.6	20.2	2.9	25.8	26.0	3.5	28.9	29.8	4.2
HIP FRACTURE	261	8.8	6.7	3.4	13.8	11.7	3.8	16.1	15.1	3.6
SEPSIS	33	9.1	18.3	*	21.2	28.4	*	30.3	34.4	*
PROCEDURES:										
ANGIOPLASTY	95	6.3	3.8	3.1	6.3	4.7	2.9	6.3	5.6	3.1
CORONARY ARTERY BYPASS GRAFT	235	9.4	5.6	2.3	11.5	7.9	2.4	11.5	8.8	2.3
INITIAL PACEMAKER INSERTION	78	2.6	2.6	2.2	2.6	5.1	2.8	2.6	7.4	3.7
CAROTID ENDARTERECTOMY	47	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	287	2.4	2.4	0.9	4.2	4.4	1.3	5.2	6.0	1.7
OPEN REDUCTION OF HIP FRACTURE	76	7.9	6.4	3.1	11.8	11.5	3.9	14.5	15.1	4.3
PROSTATECTOMY	256	1.6	0.9	0.9	2.0	2.3	1.0	3.9	3.9	1.3
CHOLECYSTECTOMY	120	4.2	2.8	1.9	5.0	4.8	2.0	5.8	6.3	2.4
HYSTERECTOMY	86	0.0	0.7	*	0.0	1.7	*	0.0	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,365

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.24	28.39	0.33	0.78	0.01	4.75	4.94	0.14	0.96	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.92	0.06	0.81	0.05					
CONGESTIVE HEART FAILURE	1.04	1.72	0.08	0.60	0.03					
PNEUMONIA/INFLUENZA	0.87	1.42	0.07	0.61	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.35	0.54	0.05	0.65	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.17	0.38	0.04	0.42	0.04					
STROKE	0.71	0.92	0.06	0.75	0.05					
HIP FRACTURE	0.79	0.71	0.05	1.08	0.08					
SEPSIS	0.15	0.36	0.04	0.45	0.05					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.03	0.93	0.12					
CORONARY ARTERY BYPASS GRAFT	0.42	0.36	0.04	1.17	0.13					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.03	0.64	0.10					
CAROTID ENDARTERECTOMY	0.07	0.11	0.02	0.82	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.50	0.04	1.22	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.34	0.04	0.64	0.07					
PROSTATECTOMY	0.74	0.70	0.05	1.05	0.08					
CHOLECYSTECTOMY	0.36	0.44	0.04	0.81	0.08					
HYSTERECTOMY	0.26	0.18	0.03	1.32	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

OMAHA, NE-IA (5920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18,753	8.6	8.7	0.4	13.4	13.4	0.6	16.8	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	631	24.6	26.0	1.9	28.7	28.9	2.2	30.1	31.6	2.3
CONGESTIVE HEART FAILURE	773	14.0	14.9	2.0	22.4	23.6	1.9	29.6	29.9	1.9
PNEUMONIA/INFLUENZA	899	15.5	15.3	1.4	22.6	21.0	1.9	26.5	24.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	275	14.2	8.6	3.2	22.5	14.7	3.7	27.6	19.2	3.8
TRANSIENT CEREBRAL ISCHEMIA	206	1.0	1.6	1.1	1.0	3.6	2.2	2.9	6.0	2.7
STROKE	570	17.7	19.5	2.9	22.5	25.7	3.6	27.2	29.6	3.8
HIP FRACTURE	474	5.5	6.3	1.4	9.7	11.1	2.7	12.4	14.5	3.1
SEPSIS	178	21.9	22.3	3.5	31.5	30.7	4.0	34.3	35.6	4.5
PROCEDURES:										
ANGIOPLASTY	351	8.3	3.9	1.7	9.1	4.8	1.8	11.1	5.8	2.1
CORONARY ARTERY BYPASS GRAFT	416	5.8	6.2	1.4	7.9	8.6	1.5	9.4	9.6	1.8
INITIAL PACEMAKER INSERTION	234	1.7	3.5	1.6	3.8	6.6	2.4	5.6	9.2	2.7
CAROTID ENDARTERECTOMY	104	1.9	1.6	1.9	1.9	3.0	2.4	1.9	4.5	3.0
HIP REPLACEMENT/RECONSTRUCTION	454	2.6	3.1	0.9	6.4	5.8	1.3	7.7	7.8	1.3
OPEN REDUCTION OF HIP FRACTURE	204	4.9	5.6	1.7	9.3	10.3	2.3	12.7	13.7	2.5
PROSTATECTOMY	501	0.6	1.1	0.6	1.8	2.5	0.9	3.6	4.3	1.1
CHOLECYSTECTOMY	351	3.4	3.1	1.0	5.4	5.9	1.5	7.7	8.0	1.9
HYSTERECTOMY	183	0.5	1.1	0.8	2.7	2.3	1.8	3.8	3.4	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 75,691

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.06	28.47	0.19	0.98	0.01	4.76	4.80	0.08	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.88	0.03	0.97	0.04					
CONGESTIVE HEART FAILURE	1.55	1.77	0.05	0.87	0.02					
PNEUMONIA/INFLUENZA	1.60	1.31	0.04	1.23	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.54	0.03	0.99	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.38	0.02	0.84	0.05					
STROKE	0.84	0.93	0.03	0.91	0.03					
HIP FRACTURE	0.67	0.64	0.03	1.06	0.05					
SEPSIS	0.34	0.38	0.02	0.88	0.05					
PROCEDURES:										
ANGIOPLASTY	0.36	0.29	0.02	1.25	0.09					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.02	1.09	0.07					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.16	0.10					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.86	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.46	0.02	1.08	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.31	0.02	0.90	0.06					
PROSTATECTOMY	0.67	0.71	0.03	0.93	0.04					
CHOLECYSTECTOMY	0.46	0.44	0.02	1.02	0.06					
HYSTERECTOMY	0.21	0.18	0.01	1.24	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

SIOUX CITY, IA-NE (7720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	5,810	7.8	8.2	0.5	12.0	12.6	0.7	15.2	15.8	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	190	22.6	24.0	3.3	27.4	26.7	3.6	28.9	29.3	3.6
CONGESTIVE HEART FAILURE	224	10.7	14.5	3.4	20.5	22.9	3.1	29.9	29.4	3.3
PNEUMONIA/INFLUENZA	258	15.1	15.6	2.4	20.9	21.6	3.3	24.0	25.6	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	11.1	7.0	5.6	18.1	12.8	8.2	25.0	17.1	8.6
TRANSIENT CEREBRAL ISCHEMIA	80	5.0	1.9	2.5	6.3	4.3	3.4	13.7	7.0	5.2
STROKE	204	14.7	19.4	3.6	19.1	26.2	4.7	23.5	30.1	4.7
HIP FRACTURE	213	7.0	7.2	2.0	10.3	12.5	3.0	11.7	16.1	3.6
SEPSIS	81	22.2	26.0	6.4	32.1	35.0	8.9	38.3	39.9	8.4
PROCEDURES:										
ANGIOPLASTY	80	0.0	3.1	3.7	2.5	3.8	2.6	2.5	4.6	3.4
CORONARY ARTERY BYPASS GRAFT	86	9.3	5.1	5.1	12.8	7.4	6.5	14.0	8.3	6.8
INITIAL PACEMAKER INSERTION	48	4.2	4.5	*	6.3	8.3	*	12.5	11.3	*
CAROTID ENDARTERECTOMY	16	0.0	1.2	*	0.0	2.4	*	0.0	3.7	*
HIP REPLACEMENT/RECONSTRUCTION	204	2.0	2.9	1.4	3.4	5.2	2.2	4.4	6.8	2.7
OPEN REDUCTION OF HIP FRACTURE	127	7.1	6.2	2.3	11.0	11.3	3.5	12.6	14.9	4.1
PROSTATECTOMY	238	0.4	1.0	0.9	1.7	2.3	1.7	5.9	4.0	1.9
CHOLECYSTECTOMY	107	2.8	2.2	1.5	4.7	4.2	2.0	4.7	5.9	3.3
HYSTERECTOMY	47	2.1	0.6	*	4.3	1.3	*	4.3	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,263

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.74	29.42	0.39	0.98	0.01	4.46	4.89	0.16	0.91	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.95	0.07	0.94	0.07					
CONGESTIVE HEART FAILURE	1.58	1.76	0.10	0.90	0.05					
PNEUMONIA/INFLUENZA	1.62	1.58	0.09	1.01	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.51	0.59	0.06	0.90	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.38	0.04	1.13	0.14					
STROKE	0.98	0.94	0.07	1.03	0.08					
HIP FRACTURE	0.76	0.69	0.06	1.10	0.10					
SEPSIS	0.52	0.35	0.04	1.46	0.19					
PROCEDURES:										
ANGIOPLASTY	0.20	0.27	0.04	0.80	0.12					
CORONARY ARTERY BYPASS GRAFT	0.32	0.37	0.04	0.96	0.13					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.03	0.73	0.14					
CAROTID ENDARTERECTOMY	0.05	0.12	0.03	0.50	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.49	0.05	1.02	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.32	0.04	1.35	0.19					
PROSTATECTOMY	0.88	0.72	0.06	1.21	0.11					
CHOLECYSTECTOMY	0.47	0.48	0.05	0.88	0.10					
HYSTERECTOMY	0.16	0.18	0.03	0.91	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

NE-(NONMSA) (99NE)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	23,185	10.5	8.7	0.4	14.8	13.3	0.4	18.2	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	817	32.4	25.9	2.2	35.7	29.2	2.5	38.2	32.1	2.4
CONGESTIVE HEART FAILURE	1,204	18.9	15.0	1.1	26.5	23.7	1.5	32.7	30.0	1.5
PNEUMONIA/INFLUENZA	1,879	16.7	14.7	1.3	22.3	20.5	1.3	26.3	24.3	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	358	10.9	7.6	2.2	18.2	13.6	3.0	24.3	18.3	3.4
TRANSIENT CEREBRAL ISCHEMIA	212	1.9	1.8	1.0	5.2	4.1	1.7	7.5	6.8	2.0
STROKE	927	23.4	19.3	2.0	29.9	25.8	2.2	34.4	29.9	2.3
HIP FRACTURE	815	8.6	6.3	1.4	13.1	11.3	1.6	16.8	14.8	1.5
SEPSIS	200	21.0	23.4	4.2	27.5	31.3	4.6	32.5	36.2	5.4
PROCEDURES:										
ANGIOPLASTY	1	0.0	2.8	*	0.0	5.5	*	0.0	7.2	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	141	3.5	3.1	1.5	6.4	6.1	2.4	6.4	8.9	2.8
CAROTID ENDARTERECTOMY	56	3.6	1.4	2.3	5.4	2.6	3.9	8.9	3.9	5.4
HIP REPLACEMENT/RECONSTRUCTION	606	3.6	3.2	0.8	6.3	6.0	1.0	8.3	8.1	1.1
OPEN REDUCTION OF HIP FRACTURE	261	8.8	5.6	2.5	13.8	10.3	3.0	16.9	13.8	2.9
PROSTATECTOMY	1,016	0.9	0.9	0.4	2.2	2.2	0.5	3.8	3.7	0.6
CHOLECYSTECTOMY	577	2.3	1.9	0.7	3.6	3.6	1.0	4.2	4.8	1.0
HYSTERECTOMY	264	0.0	0.6	0.7	1.1	1.4	0.8	2.7	2.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 158,539

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.42	29.14	0.14	0.94	0.00	4.93	4.96	0.06	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.99	0.02	1.00	0.03					
CONGESTIVE HEART FAILURE	1.46	1.71	0.03	0.84	0.02					
PNEUMONIA/INFLUENZA	1.80	1.58	0.03	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.53	0.02	0.82	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.37	0.02	0.72	0.03					
STROKE	0.90	0.97	0.02	0.93	0.02					
HIP FRACTURE	0.76	0.72	0.02	1.03	0.03					
SEPSIS	0.24	0.34	0.01	0.70	0.03					
PROCEDURES:										
ANGIOPLASTY	0.22	0.27	0.01	0.79	0.05					
CORONARY ARTERY BYPASS GRAFT	0.36	0.38	0.02	0.92	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.15	0.08					
CAROTID ENDARTERECTOMY	0.13	0.12	0.01	1.19	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.69	0.55	0.02	1.25	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.33	0.01	0.70	0.04					
PROSTATECTOMY	0.94	0.84	0.02	1.12	0.03					
CHOLECYSTECTOMY	0.56	0.49	0.02	1.16	0.05					
HYSTERECTOMY	0.24	0.19	0.01	1.21	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

MANCHESTER-NASHUA, NH (4763)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,508	9.3	9.1	0.3	13.9	13.8	0.4	17.1	17.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	445	24.7	24.9	2.1	29.4	28.2	2.3	31.9	31.1	2.4
CONGESTIVE HEART FAILURE	582	14.4	14.6	1.5	23.9	23.2	1.9	30.4	29.3	2.4
PNEUMONIA/INFLUENZA	444	11.0	15.7	2.3	16.9	21.6	3.6	20.7	25.4	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	189	10.1	9.3	3.2	14.8	16.0	3.1	20.6	20.9	3.0
TRANSIENT CEREBRAL ISCHEMIA	148	2.0	1.6	1.5	3.4	3.7	1.9	6.1	6.0	2.7
STROKE	392	19.9	19.7	2.0	23.7	26.2	2.4	25.8	29.9	2.8
HIP FRACTURE	291	6.5	6.6	1.8	13.4	11.8	2.7	16.2	15.4	3.2
SEPSIS	117	25.6	24.4	4.8	33.3	31.5	7.8	38.5	35.7	6.4
PROCEDURES:										
ANGIOPLASTY	83	1.2	2.6	2.3	2.4	3.6	2.5	2.4	4.5	3.2
CORONARY ARTERY BYPASS GRAFT	187	5.9	6.6	2.3	8.6	9.4	2.8	9.1	10.8	3.3
INITIAL PACEMAKER INSERTION	83	2.4	2.6	3.0	6.0	5.0	3.9	7.2	7.3	4.1
CAROTID ENDARTERECTOMY	34	5.9	1.3	*	5.9	2.4	*	5.9	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	192	6.3	3.6	2.4	7.8	6.8	2.5	9.9	9.2	2.7
OPEN REDUCTION OF HIP FRACTURE	139	3.6	6.1	3.5	13.7	11.3	3.2	17.3	15.0	4.2
PROSTATECTOMY	258	0.8	1.0	0.7	1.6	2.3	1.1	3.9	3.9	1.2
CHOLECYSTECTOMY	207	2.4	2.5	1.4	4.8	4.5	1.5	6.8	6.0	1.9
HYSTERECTOMY	102	1.0	0.4	1.1	1.0	1.0	1.4	1.0	1.6	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 55,573

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.66	26.29	0.22	1.01	0.01	4.73	4.67	0.09	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.10	0.84	0.04	1.31	0.06					
CONGESTIVE HEART FAILURE	1.76	1.56	0.05	1.14	0.04					
PNEUMONIA/INFLUENZA	1.00	1.18	0.05	0.86	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.45	0.03	1.15	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.35	0.02	0.95	0.07					
STROKE	0.82	0.84	0.04	1.00	0.05					
HIP FRACTURE	0.62	0.66	0.03	0.91	0.05					
SEPSIS	0.29	0.33	0.02	0.84	0.07					
PROCEDURES:										
ANGIOPLASTY	0.21	0.26	0.02	0.87	0.08					
CORONARY ARTERY BYPASS GRAFT	0.46	0.36	0.02	1.32	0.10					
INITIAL PACEMAKER INSERTION	0.21	0.19	0.02	1.15	0.12					
CAROTID ENDARTERECTOMY	0.09	0.10	0.01	0.90	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.47	0.03	0.93	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.32	0.02	0.91	0.07					
PROSTATECTOMY	0.61	0.68	0.03	0.89	0.05					
CHOLECYSTECTOMY	0.45	0.39	0.03	1.16	0.08					
HYSTERECTOMY	0.21	0.18	0.02	1.12	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

PORTSMOUTH-DOVER-ROCHESTER, NH (6453)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,256	9.7	9.1	0.5	14.0	13.8	0.5	17.6	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	230	23.9	23.7	2.8	27.8	26.6	3.1	31.3	29.3	3.4
CONGESTIVE HEART FAILURE	296	11.5	15.1	3.5	20.6	23.9	4.3	28.4	30.0	4.1
PNEUMONIA/INFLUENZA	231	14.3	14.3	2.4	19.9	19.6	2.8	24.7	23.3	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	119	10.1	7.8	4.1	11.8	13.8	4.2	15.1	18.1	4.4
TRANSIENT CEREBRAL ISCHEMIA	62	3.2	1.8	2.1	3.2	3.9	2.7	3.2	6.3	4.0
STROKE	177	21.5	20.0	3.2	26.6	26.7	3.3	31.6	30.7	3.5
HIP FRACTURE	170	11.8	6.4	5.0	14.1	11.5	4.3	17.6	15.1	3.8
SEPSIS	48	12.5	20.7	*	18.8	27.8	*	20.8	32.1	*
PROCEDURES:										
ANGIOPLASTY	4	25.0	8.6	*	25.0	9.3	*	25.0	10.0	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	36	8.3	4.6	*	11.1	8.3	*	19.4	11.4	*
CAROTID ENDARTERECTOMY	10	0.0	0.9	*	0.0	1.8	*	0.0	2.7	*
HIP REPLACEMENT/RECONSTRUCTION	121	8.3	3.1	2.6	10.7	5.8	2.9	12.4	7.8	3.1
OPEN REDUCTION OF HIP FRACTURE	88	11.4	5.6	5.3	13.6	10.5	4.7	14.8	14.1	4.5
PROSTATECTOMY	138	0.0	0.8	0.9	0.0	1.8	1.5	0.0	3.2	2.2
CHOLECYSTECTOMY	106	1.9	2.7	2.1	2.8	4.8	2.5	3.8	6.1	2.8
HYSTERECTOMY	57	0.0	0.8	1.5	1.8	1.7	1.8	5.3	2.7	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 38,589

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.16	25.47	0.26	1.03	0.01	4.71	4.45	0.11	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.06	0.82	0.05	1.28	0.07					
CONGESTIVE HEART FAILURE	1.73	1.49	0.06	1.16	0.05					
PNEUMONIA/INFLUENZA	0.96	1.09	0.05	0.89	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.44	0.03	1.31	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.34	0.03	0.96	0.09					
STROKE	0.78	0.82	0.05	0.96	0.05					
HIP FRACTURE	0.59	0.60	0.04	0.96	0.06					
SEPSIS	0.27	0.33	0.03	0.78	0.07					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.03	0.67	0.07					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.03	1.06	0.09					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.02	0.88	0.11					
CAROTID ENDARTERECTOMY	0.06	0.11	0.02	0.52	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.45	0.03	1.03	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.03	1.01	0.10					
PROSTATECTOMY	0.61	0.71	0.04	0.84	0.05					
CHOLECYSTECTOMY	0.35	0.39	0.03	0.85	0.07					
HYSTERECTOMY	0.20	0.17	0.02	1.10	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

NH-(NONMSA) (99NH)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,903	9.5	8.8	0.4	14.0	13.5	0.5	17.1	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	327	28.7	25.7	2.9	32.7	28.9	3.2	35.5	31.7	3.2
CONGESTIVE HEART FAILURE	390	13.6	14.4	1.8	21.5	22.8	2.3	28.7	29.1	2.3
PNEUMONIA/INFLUENZA	440	15.9	14.4	2.3	23.2	20.1	4.0	26.4	23.9	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	149	10.1	8.0	3.2	15.4	14.1	3.9	22.1	18.5	5.1
TRANSIENT CEREBRAL ISCHEMIA	102	2.0	1.7	2.3	7.8	3.9	2.8	11.8	6.4	4.2
STROKE	338	23.4	18.8	3.5	30.8	25.5	4.0	33.7	29.5	3.8
HIP FRACTURE	258	5.0	6.2	1.8	10.5	11.2	2.4	13.6	14.8	2.4
SEPSIS	85	21.2	23.6	5.5	23.5	31.2	6.3	25.9	36.0	6.7
PROCEDURES:										
ANGIOPLASTY	63	3.2	2.3	2.2	3.2	3.3	2.5	3.2	4.3	3.1
CORONARY ARTERY BYPASS GRAFT	95	6.3	6.4	4.1	8.4	9.5	4.2	8.4	10.8	4.1
INITIAL PACEMAKER INSERTION	53	5.7	3.6	3.6	9.4	7.0	4.0	13.2	10.0	5.3
CAROTID ENDARTERECTOMY	24	0.0	1.4	*	0.0	2.6	*	0.0	3.8	*
HIP REPLACEMENT/RECONSTRUCTION	212	0.9	2.6	1.7	2.8	5.0	2.5	4.2	6.8	3.0
OPEN REDUCTION OF HIP FRACTURE	123	5.7	5.9	2.3	10.6	10.9	2.9	13.0	14.6	3.4
PROSTATECTOMY	257	0.8	0.8	0.6	1.6	1.9	0.9	3.1	3.2	1.1
CHOLECYSTECTOMY	157	1.9	3.0	1.5	3.2	5.7	2.6	3.2	7.7	3.7
HYSTERECTOMY	111	2.7	0.5	2.2	2.7	1.2	1.9	2.7	2.1	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 50,170

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.70	26.47	0.23	0.97	0.01	4.63	4.52	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.89	0.04	1.14	0.06					
CONGESTIVE HEART FAILURE	1.43	1.56	0.06	0.93	0.03					
PNEUMONIA/INFLUENZA	1.34	1.22	0.05	1.12	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.49	0.03	1.12	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.35	0.03	0.74	0.06					
STROKE	0.87	0.86	0.04	1.02	0.05					
HIP FRACTURE	0.63	0.61	0.03	1.03	0.06					
SEPSIS	0.26	0.33	0.03	0.82	0.07					
PROCEDURES:										
ANGIOPLASTY	0.18	0.30	0.02	0.64	0.06					
CORONARY ARTERY BYPASS GRAFT	0.30	0.40	0.03	0.68	0.05					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.78	0.09					
CAROTID ENDARTERECTOMY	0.06	0.13	0.02	0.41	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.48	0.03	0.96	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.02	1.01	0.09					
PROSTATECTOMY	0.63	0.79	0.04	0.80	0.04					
CHOLECYSTECTOMY	0.42	0.44	0.03	0.94	0.07					
HYSTERECTOMY	0.22	0.18	0.02	1.24	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

ALLENTOWN-BETHLEHEM, PA-NJ (0240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24,247	8.1	9.3	0.2	12.7	14.1	0.3	16.1	17.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	743	23.4	25.4	2.8	28.3	28.6	3.1	30.3	31.4	2.9
CONGESTIVE HEART FAILURE	1,224	14.5	15.0	1.3	22.2	23.6	2.1	28.8	29.9	2.5
PNEUMONIA/INFLUENZA	777	14.7	17.7	2.1	22.9	24.0	2.9	27.5	28.1	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	417	7.2	9.3	2.1	13.9	16.0	3.2	18.7	21.0	3.1
TRANSIENT CEREBRAL ISCHEMIA	496	1.0	1.9	1.2	3.2	4.3	1.3	4.8	6.9	2.1
STROKE	840	20.1	19.9	1.4	24.9	26.5	1.9	28.8	30.3	2.1
HIP FRACTURE	514	6.0	7.2	2.1	11.1	12.5	2.1	15.0	16.1	2.1
SEPSIS	315	23.2	25.5	2.7	30.8	32.9	3.2	34.0	37.5	3.6
PROCEDURES:										
ANGIOPLASTY	181	0.6	3.2	1.6	2.2	4.4	1.7	3.9	5.4	1.8
CORONARY ARTERY BYPASS GRAFT	439	5.2	6.9	1.6	6.8	10.2	2.1	7.7	11.6	2.3
INITIAL PACEMAKER INSERTION	224	4.5	3.4	1.5	5.4	6.3	1.9	8.5	9.1	2.6
CAROTID ENDARTERECTOMY	129	0.8	1.7	1.5	1.6	3.1	2.4	2.3	4.4	3.3
HIP REPLACEMENT/RECONSTRUCTION	349	3.7	3.9	1.8	6.6	7.3	2.4	8.3	9.7	2.6
OPEN REDUCTION OF HIP FRACTURE	292	5.1	6.4	2.1	8.9	11.4	2.8	14.7	15.0	2.1
PROSTATECTOMY	745	1.2	1.2	0.4	3.1	2.8	0.9	4.0	4.6	1.0
CHOLECYSTECTOMY	466	2.6	3.0	1.1	5.2	5.5	1.8	6.7	7.3	1.9
HYSTERECTOMY	189	2.1	1.2	1.6	2.6	2.7	1.4	5.8	4.1	2.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 119,131

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.82	27.13	0.15	1.14	0.01	4.52	4.45	0.06	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.90	0.03	1.02	0.03					
CONGESTIVE HEART FAILURE	1.99	1.63	0.04	1.22	0.03					
PNEUMONIA/INFLUENZA	0.99	1.22	0.03	0.81	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.52	0.02	1.15	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.58	0.38	0.02	1.54	0.07					
STROKE	0.94	0.87	0.03	1.08	0.03					
HIP FRACTURE	0.55	0.61	0.02	0.90	0.03					
SEPSIS	0.43	0.34	0.02	1.30	0.07					
PROCEDURES:										
ANGIOPLASTY	0.26	0.30	0.02	0.88	0.05					
CORONARY ARTERY BYPASS GRAFT	0.51	0.41	0.02	1.24	0.06					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.39	0.09					
CAROTID ENDARTERECTOMY	0.15	0.13	0.01	1.14	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.46	0.02	0.85	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.02	1.04	0.06					
PROSTATECTOMY	0.80	0.75	0.02	1.07	0.04					
CHOLECYSTECTOMY	0.51	0.46	0.02	1.11	0.05					
HYSTERECTOMY	0.17	0.19	0.01	0.91	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ATLANTIC CITY, NJ (0560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,802	9.9	10.1	0.4	15.6	15.2	0.4	19.5	19.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	388	24.5	25.3	2.4	28.4	28.3	2.3	31.2	31.0	2.4
CONGESTIVE HEART FAILURE	734	12.8	15.5	3.0	22.8	24.3	2.7	30.1	30.6	2.8
PNEUMONIA/INFLUENZA	415	18.6	18.2	2.2	27.0	24.8	2.7	29.9	29.1	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	185	8.6	8.6	2.2	15.1	14.9	3.2	21.1	19.6	3.7
TRANSIENT CEREBRAL ISCHEMIA	237	2.5	2.0	1.0	5.5	4.4	1.7	11.0	7.1	3.2
STROKE	452	20.4	21.2	2.0	29.4	28.1	2.3	33.2	31.9	2.4
HIP FRACTURE	258	6.6	7.2	1.7	11.2	12.6	2.4	14.3	16.3	3.2
SEPSIS	130	33.1	34.3	4.3	44.6	43.1	4.9	50.0	48.4	5.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	83	3.6	4.3	2.6	6.0	7.8	3.3	9.6	10.6	3.6
CAROTID ENDARTERECTOMY	34	2.9	1.6	*	8.8	2.9	*	14.7	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	131	4.6	3.9	2.2	5.3	7.3	3.1	6.9	9.9	4.2
OPEN REDUCTION OF HIP FRACTURE	158	5.7	6.9	2.2	12.0	12.5	2.7	15.8	16.3	3.0
PROSTATECTOMY	322	1.6	1.3	1.1	4.7	3.1	1.5	6.2	5.2	1.8
CHOLECYSTECTOMY	156	3.2	2.9	1.6	9.6	5.3	3.6	10.3	6.9	3.6
HYSTERECTOMY	52	0.0	0.4	1.2	0.0	0.8	2.5	3.8	1.4	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 57,374

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.47	27.16	0.22	1.16	0.01	4.98	4.68	0.09	1.06	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.84	0.04	1.15	0.05					
CONGESTIVE HEART FAILURE	2.44	1.67	0.05	1.46	0.05					
PNEUMONIA/INFLUENZA	1.02	1.17	0.04	0.86	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.48	0.03	1.17	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.58	0.36	0.02	1.58	0.11					
STROKE	0.96	0.92	0.04	1.05	0.05					
HIP FRACTURE	0.54	0.59	0.03	0.93	0.05					
SEPSIS	0.44	0.38	0.03	1.13	0.08					
PROCEDURES:										
ANGIOPLASTY	0.16	0.28	0.02	0.57	0.05					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.03	0.93	0.07					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.02	0.98	0.09					
CAROTID ENDARTERECTOMY	0.11	0.11	0.01	0.98	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.44	0.03	0.89	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.02	1.09	0.09					
PROSTATECTOMY	0.80	0.74	0.04	1.07	0.05					
CHOLECYSTECTOMY	0.38	0.40	0.03	0.93	0.06					
HYSTERECTOMY	0.16	0.17	0.02	0.87	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

BERGEN-PASSAIC, NJ (0875)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	34,183	8.6	9.1	0.2	14.4	14.0	0.3	18.1	17.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	954	26.7	28.4	1.5	30.9	31.6	1.5	33.8	34.3	1.7
CONGESTIVE HEART FAILURE	1,911	13.9	14.6	0.9	23.6	22.9	1.0	29.1	29.1	1.1
PNEUMONIA/INFLUENZA	1,281	18.5	17.6	1.4	25.1	23.9	2.1	30.3	27.9	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	411	10.2	9.8	1.5	18.5	16.4	2.7	23.1	21.1	3.1
TRANSIENT CEREBRAL ISCHEMIA	636	1.7	1.9	0.6	5.2	4.3	1.1	8.6	6.8	1.8
STROKE	1,280	18.2	20.4	1.3	27.0	27.0	1.3	32.1	30.8	1.4
HIP FRACTURE	837	8.1	6.4	1.8	13.0	11.3	2.3	16.6	14.7	2.4
SEPSIS	359	29.5	29.9	2.4	42.3	38.6	2.9	47.6	43.6	3.1
PROCEDURES:										
ANGIOPLASTY	448	2.9	2.8	0.9	3.6	3.9	1.0	4.0	4.9	1.2
CORONARY ARTERY BYPASS GRAFT	622	8.2	6.3	1.3	12.4	9.2	1.7	14.5	10.6	2.0
INITIAL PACEMAKER INSERTION	355	4.5	3.3	2.0	8.2	6.5	2.7	11.5	9.5	2.9
CAROTID ENDARTERECTOMY	70	1.4	1.5	1.5	2.9	2.7	2.3	5.7	3.9	3.1
HIP REPLACEMENT/RECONSTRUCTION	547	4.6	3.8	1.2	8.2	7.1	1.8	10.8	9.5	1.9
OPEN REDUCTION OF HIP FRACTURE	397	8.3	6.2	2.2	13.4	11.2	2.4	16.4	14.8	2.4
PROSTATECTOMY	1,252	1.1	1.1	0.4	3.0	2.7	0.6	4.9	4.5	0.9
CHOLECYSTECTOMY	579	1.7	3.1	1.2	4.8	5.5	1.4	7.6	7.3	1.7
HYSTERECTOMY	211	0.0	0.9	0.8	0.9	2.0	1.2	3.8	3.2	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 201,475

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.39	25.37	0.11	1.08	0.00	4.57	4.40	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.79	0.02	0.93	0.02					
CONGESTIVE HEART FAILURE	1.77	1.50	0.03	1.18	0.02					
PNEUMONIA/INFLUENZA	1.00	1.03	0.02	0.97	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.41	0.01	0.96	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.35	0.01	1.28	0.05					
STROKE	0.91	0.85	0.02	1.08	0.03					
HIP FRACTURE	0.56	0.60	0.02	0.94	0.03					
SEPSIS	0.34	0.34	0.01	0.97	0.04					
PROCEDURES:										
ANGIOPLASTY	0.31	0.27	0.01	1.18	0.05					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.01	1.01	0.04					
INITIAL PACEMAKER INSERTION	0.26	0.21	0.01	1.24	0.06					
CAROTID ENDARTERECTOMY	0.06	0.09	0.01	0.71	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.44	0.01	0.84	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.29	0.01	0.92	0.04					
PROSTATECTOMY	0.85	0.71	0.02	1.19	0.03					
CHOLECYSTECTOMY	0.38	0.36	0.01	1.08	0.04					
HYSTERECTOMY	0.15	0.17	0.01	0.90	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

JERSEY CITY, NJ (3640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,921	9.0	9.7	0.3	14.8	14.7	0.3	18.8	18.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	366	27.9	29.1	2.5	32.2	32.0	2.4	35.2	34.8	2.8
CONGESTIVE HEART FAILURE	942	14.0	14.9	1.2	23.6	23.7	1.7	31.7	30.0	1.6
PNEUMONIA/INFLUENZA	513	12.9	16.1	2.2	20.7	21.9	2.1	23.6	25.5	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	386	7.5	9.5	3.2	13.2	16.0	3.7	16.3	20.5	4.3
TRANSIENT CEREBRAL ISCHEMIA	379	2.1	2.0	0.7	3.7	4.4	1.6	7.7	7.0	1.5
STROKE	530	21.1	19.8	2.4	29.1	26.5	2.1	34.7	30.2	2.6
HIP FRACTURE	257	5.4	7.3	2.6	15.6	12.7	2.8	17.9	16.2	2.5
SEPSIS	142	35.2	28.7	4.4	48.6	36.9	5.2	54.9	41.7	5.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	101	5.9	3.9	2.6	9.9	7.7	3.2	12.9	10.9	3.7
CAROTID ENDARTERECTOMY	29	3.4	2.0	*	3.4	3.7	*	10.3	5.5	*
HIP REPLACEMENT/RECONSTRUCTION	142	2.8	4.7	3.3	9.9	8.7	2.4	11.3	11.4	2.7
OPEN REDUCTION OF HIP FRACTURE	147	6.1	6.7	2.3	15.0	11.9	3.5	18.4	15.6	3.7
PROSTATECTOMY	495	1.0	1.2	0.5	2.2	2.8	0.9	4.6	4.6	1.4
CHOLECYSTECTOMY	243	5.3	3.1	1.8	9.1	5.6	2.4	10.3	7.3	2.4
HYSTERECTOMY	70	0.0	0.7	1.2	0.0	1.6	2.1	2.9	2.7	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 78,249

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.03	28.53	0.19	1.16	0.01	5.08	4.64	0.08	1.10	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.89	0.03	0.94	0.04					
CONGESTIVE HEART FAILURE	2.45	1.79	0.05	1.37	0.04					
PNEUMONIA/INFLUENZA	1.14	1.23	0.04	0.92	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.85	0.54	0.03	1.60	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.66	0.40	0.02	1.62	0.09					
STROKE	0.97	0.94	0.03	1.03	0.04					
HIP FRACTURE	0.47	0.61	0.03	0.76	0.03					
SEPSIS	0.37	0.38	0.02	0.97	0.06					
PROCEDURES:										
ANGIOPLASTY	0.20	0.29	0.02	0.69	0.05					
CORONARY ARTERY BYPASS GRAFT	0.32	0.39	0.02	0.81	0.05					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.02	1.09	0.09					
CAROTID ENDARTERECTOMY	0.08	0.13	0.01	0.63	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.45	0.02	0.69	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.02	0.85	0.06					
PROSTATECTOMY	0.87	0.70	0.03	1.24	0.05					
CHOLECYSTECTOMY	0.42	0.45	0.02	0.93	0.05					
HYSTERECTOMY	0.15	0.18	0.01	0.79	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

MIDDLESEX-SOMERSET-HUNTERDON, NJ (5015)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	17,732	9.5	9.6	0.2	15.2	14.5	0.3	19.2	18.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	667	27.3	25.2	2.5	32.2	28.4	3.5	34.9	31.2	3.5
CONGESTIVE HEART FAILURE	932	13.5	14.9	1.7	23.0	23.3	1.4	29.9	29.5	1.6
PNEUMONIA/INFLUENZA	772	18.5	18.1	1.5	25.4	24.5	2.1	30.1	28.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	240	13.3	10.2	3.0	19.6	17.0	4.1	26.2	21.9	4.7
TRANSIENT CEREBRAL ISCHEMIA	338	0.6	1.9	1.5	3.3	4.2	2.2	5.6	6.6	2.3
STROKE	693	20.5	21.1	1.6	29.9	27.8	2.1	34.8	31.6	2.2
HIP FRACTURE	349	3.7	6.6	2.0	9.2	11.9	2.4	12.3	15.5	2.4
SEPSIS	196	35.7	30.4	4.0	48.0	39.7	4.7	55.1	44.9	5.4
PROCEDURES:										
ANGIOPLASTY	99	4.0	3.1	1.9	7.1	4.0	2.7	9.1	4.9	3.3
CORONARY ARTERY BYPASS GRAFT	100	6.0	5.6	2.3	9.0	8.4	3.2	12.0	9.8	3.7
INITIAL PACEMAKER INSERTION	184	4.3	3.7	1.7	7.6	7.0	3.1	11.4	9.9	4.5
CAROTID ENDARTERECTOMY	81	4.9	1.5	2.2	9.9	2.9	3.8	9.9	4.3	3.5
HIP REPLACEMENT/RECONSTRUCTION	270	1.5	3.0	2.0	4.8	5.4	2.7	5.9	7.3	2.5
OPEN REDUCTION OF HIP FRACTURE	208	4.3	6.1	2.2	9.6	11.5	2.6	13.0	15.3	3.0
PROSTATECTOMY	508	0.0	1.0	0.8	1.8	2.3	0.9	2.8	3.8	1.1
CHOLECYSTECTOMY	290	0.7	2.8	1.1	2.4	5.2	1.8	5.2	7.0	2.8
HYSTERECTOMY	171	0.6	0.7	0.7	1.2	1.6	1.2	1.8	2.7	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 127,979

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.41	24.87	0.14	1.18	0.01	4.51	4.21	0.06	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.77	0.02	1.36	0.04					
CONGESTIVE HEART FAILURE	1.75	1.46	0.03	1.20	0.03					
PNEUMONIA/INFLUENZA	1.07	0.96	0.03	1.11	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.41	0.02	1.09	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.50	0.35	0.02	1.44	0.07					
STROKE	0.96	0.81	0.02	1.18	0.04					
HIP FRACTURE	0.49	0.54	0.02	0.90	0.03					
SEPSIS	0.33	0.33	0.02	1.01	0.05					
PROCEDURES:										
ANGIOPLASTY	0.29	0.28	0.01	1.05	0.06					
CORONARY ARTERY BYPASS GRAFT	0.35	0.38	0.02	0.93	0.04					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.39	0.09					
CAROTID ENDARTERECTOMY	0.14	0.10	0.01	1.39	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.40	0.02	0.87	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.01	1.00	0.05					
PROSTATECTOMY	0.79	0.69	0.02	1.14	0.04					
CHOLECYSTECTOMY	0.40	0.36	0.02	1.11	0.05					
HYSTERECTOMY	0.19	0.17	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

MONMOUTH-OCEAN, NJ (5190)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,181	10.3	10.1	0.2	16.0	15.3	0.3	19.8	19.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,084	31.0	28.9	1.7	35.7	32.0	2.1	38.4	34.8	2.1
CONGESTIVE HEART FAILURE	2,083	15.1	16.1	1.2	24.9	25.2	1.0	32.0	31.6	1.2
PNEUMONIA/INFLUENZA	1,363	21.6	19.4	1.5	29.3	26.5	1.8	33.7	31.0	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	535	8.8	9.6	1.4	17.2	16.4	1.9	22.6	21.3	2.6
TRANSIENT CEREBRAL ISCHEMIA	710	1.4	2.0	0.8	4.2	4.5	1.3	6.3	7.2	1.7
STROKE	1,349	20.6	21.0	1.2	29.2	27.9	1.6	33.4	31.8	1.7
HIP FRACTURE	859	5.0	6.9	1.3	10.5	12.1	1.6	14.3	15.7	1.8
SEPSIS	473	30.0	31.2	2.3	39.7	40.0	2.3	44.6	45.1	2.3
PROCEDURES:										
ANGIOPLASTY	2	50.0	5.8	*	50.0	6.6	*	50.0	7.8	*
CORONARY ARTERY BYPASS GRAFT	25	8.0	4.6	*	8.0	5.8	*	12.0	6.7	*
INITIAL PACEMAKER INSERTION	265	3.4	3.6	1.4	6.8	7.1	2.1	10.2	10.2	2.8
CAROTID ENDARTERECTOMY	173	0.0	1.9	1.9	3.5	3.4	1.5	8.1	5.0	2.7
HIP REPLACEMENT/RECONSTRUCTION	487	1.6	3.8	1.4	5.5	6.9	1.5	9.0	9.1	1.9
OPEN REDUCTION OF HIP FRACTURE	415	5.1	6.3	1.9	10.1	11.4	2.3	13.0	15.0	2.6
PROSTATECTOMY	986	0.9	1.1	0.4	2.2	2.5	0.6	4.2	4.1	0.7
CHOLECYSTECTOMY	567	3.0	3.0	0.9	4.8	5.3	1.5	5.6	7.0	1.9
HYSTERECTOMY	221	0.0	0.7	0.6	0.9	1.6	1.0	0.9	2.5	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 188,537

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.96	25.25	0.12	1.19	0.00	4.70	4.43	0.05	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.82	0.02	1.19	0.03					
CONGESTIVE HEART FAILURE	2.13	1.50	0.03	1.42	0.03					
PNEUMONIA/INFLUENZA	1.08	1.03	0.02	1.05	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.41	0.01	1.23	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.56	0.34	0.01	1.66	0.07					
STROKE	1.00	0.85	0.02	1.17	0.03					
HIP FRACTURE	0.60	0.60	0.02	**	**					
SEPSIS	0.42	0.34	0.01	1.24	0.05					
PROCEDURES:										
ANGIOPLASTY	0.25	0.28	0.01	0.86	0.04					
CORONARY ARTERY BYPASS GRAFT	0.41	0.39	0.01	1.07	0.04					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.08	0.05					
CAROTID ENDARTERECTOMY	0.16	0.11	0.01	1.42	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.46	0.02	0.87	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.30	0.01	0.94	0.04					
PROSTATECTOMY	0.74	0.76	0.02	0.97	0.03					
CHOLECYSTECTOMY	0.40	0.38	0.01	1.05	0.04					
HYSTERECTOMY	0.16	0.18	0.01	0.88	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

NEWARK, NJ (5640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	54,484	8.7	9.2	0.2	14.5	14.1	0.3	18.2	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,448	28.7	27.5	1.3	33.1	30.6	1.4	35.8	33.3	1.4
CONGESTIVE HEART FAILURE	3,068	13.2	14.3	0.8	21.9	22.7	0.9	29.3	28.7	0.9
PNEUMONIA/INFLUENZA	2,090	15.4	17.0	0.9	23.3	23.1	1.1	26.7	27.1	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	686	7.0	9.7	2.1	16.6	16.5	2.4	20.4	21.4	2.2
TRANSIENT CEREBRAL ISCHEMIA	1,109	1.7	2.0	0.5	4.3	4.4	0.6	6.5	6.9	0.9
STROKE	1,972	20.0	21.1	1.2	29.7	28.0	1.1	33.7	31.8	1.1
HIP FRACTURE	1,250	6.0	6.9	1.3	10.8	12.3	1.5	14.9	15.9	1.4
SEPSIS	683	28.8	28.8	1.8	39.4	37.4	2.1	45.1	42.2	2.3
PROCEDURES:										
ANGIOPLASTY	319	1.3	2.2	0.9	2.2	3.1	1.1	3.1	4.1	1.6
CORONARY ARTERY BYPASS GRAFT	402	8.2	5.9	2.1	11.2	8.9	2.1	13.4	10.2	2.5
INITIAL PACEMAKER INSERTION	539	2.8	3.4	0.9	6.5	6.5	1.1	10.9	9.4	1.8
CAROTID ENDARTERECTOMY	138	2.9	1.5	1.9	5.1	2.7	2.9	5.8	4.0	3.0
HIP REPLACEMENT/RECONSTRUCTION	825	3.5	3.9	0.7	6.1	7.3	1.2	8.0	9.8	1.4
OPEN REDUCTION OF HIP FRACTURE	639	5.2	6.4	1.5	9.5	11.7	1.7	14.4	15.4	1.6
PROSTATECTOMY	1,937	0.8	1.2	0.6	3.1	2.7	0.5	5.2	4.6	0.7
CHOLECYSTECTOMY	722	2.1	2.8	0.9	4.4	5.0	1.1	6.0	6.6	1.0
HYSTERECTOMY	425	1.2	0.8	0.8	3.3	1.8	2.1	4.9	2.8	3.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 253,042

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.01	26.16	0.10	1.15	0.00	4.83	4.57	0.04	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.75	0.02	1.01	0.02					
CONGESTIVE HEART FAILURE	2.02	1.62	0.02	1.25	0.02					
PNEUMONIA/INFLUENZA	1.12	1.03	0.02	1.08	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.41	0.01	1.05	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.36	0.01	1.47	0.05					
STROKE	0.93	0.89	0.02	1.04	0.02					
HIP FRACTURE	0.56	0.58	0.01	0.97	0.03					
SEPSIS	0.40	0.38	0.01	1.06	0.03					
PROCEDURES:										
ANGIOPLASTY	0.25	0.24	0.01	1.03	0.04					
CORONARY ARTERY BYPASS GRAFT	0.31	0.33	0.01	0.93	0.03					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.01	1.33	0.06					
CAROTID ENDARTERECTOMY	0.06	0.09	0.01	0.73	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.41	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.01	0.99	0.04					
PROSTATECTOMY	0.83	0.68	0.02	1.22	0.03					
CHOLECYSTECTOMY	0.32	0.34	0.01	0.94	0.03					
HYSTERECTOMY	0.15	0.16	0.01	0.94	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

PHILADELPHIA, PA-NJ (6160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	147,566	8.4	9.2	0.2	13.8	14.1	0.1	17.5	17.7	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,122	22.5	25.8	0.9	26.8	29.0	0.7	29.9	31.8	0.9
CONGESTIVE HEART FAILURE	7,970	11.8	14.8	0.5	21.2	23.6	0.6	27.3	29.8	0.6
PNEUMONIA/INFLUENZA	5,126	16.1	16.9	0.6	23.4	23.2	0.6	28.1	27.2	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,432	7.6	9.1	0.9	14.2	15.8	1.0	19.8	20.6	1.2
TRANSIENT CEREBRAL ISCHEMIA	2,769	1.6	1.8	0.3	3.3	4.0	0.6	5.2	6.5	0.9
STROKE	5,548	17.0	19.7	0.9	24.6	26.4	0.7	28.5	30.2	0.8
HIP FRACTURE	3,203	6.0	6.7	0.5	12.0	11.9	0.8	15.6	15.5	0.6
SEPSIS	1,986	28.3	27.3	1.2	38.7	35.8	1.9	44.6	40.6	2.6
PROCEDURES:										
ANGIOPLASTY	1,095	2.4	2.6	0.6	3.6	3.6	0.6	4.5	4.6	0.7
CORONARY ARTERY BYPASS GRAFT	1,992	5.9	5.8	0.8	8.9	8.7	0.8	10.3	9.9	0.9
INITIAL PACEMAKER INSERTION	1,081	2.8	3.5	1.1	7.8	6.7	1.2	10.4	9.6	1.1
CAROTID ENDARTERECTOMY	478	1.3	1.5	0.6	1.5	2.8	1.3	3.1	4.1	1.3
HIP REPLACEMENT/RECONSTRUCTION	2,269	2.6	3.1	0.5	6.5	5.8	0.7	8.3	7.8	0.6
OPEN REDUCTION OF HIP FRACTURE	1,771	5.8	6.2	0.6	11.4	11.4	0.8	15.2	15.1	0.9
PROSTATECTOMY	4,383	0.9	1.1	0.2	2.5	2.6	0.4	3.9	4.3	0.5
CHOLECYSTECTOMY	2,092	2.8	3.1	0.5	5.9	5.6	0.7	7.5	7.4	0.6
HYSTERECTOMY	957	0.3	0.7	0.3	1.5	1.7	1.0	2.2	2.7	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 731,443

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.61	28.02	0.06	1.13	0.00	4.83	4.70	0.02	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.83	0.01	1.12	0.01					
CONGESTIVE HEART FAILURE	2.13	1.77	0.02	1.21	0.01					
PNEUMONIA/INFLUENZA	1.10	1.16	0.01	0.95	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.48	0.01	1.26	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.39	0.01	1.38	0.03					
STROKE	1.08	0.96	0.01	1.12	0.01					
HIP FRACTURE	0.60	0.58	0.01	1.02	0.02					
SEPSIS	0.47	0.41	0.01	1.15	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.93	0.02					
CORONARY ARTERY BYPASS GRAFT	0.39	0.37	0.01	1.06	0.02					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.00	1.06	0.03					
CAROTID ENDARTERECTOMY	0.09	0.11	0.00	0.89	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.41	0.01	0.94	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.01	1.13	0.02					
PROSTATECTOMY	0.77	0.71	0.01	1.08	0.01					
CHOLECYSTECTOMY	0.36	0.39	0.01	0.91	0.02					
HYSTERECTOMY	0.15	0.17	0.00	0.90	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

TRENTON, NJ (8480)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,565	9.0	9.2	0.4	14.3	14.1	0.5	17.7	17.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	361	23.5	26.6	4.0	28.3	29.7	3.8	31.0	32.4	3.9
CONGESTIVE HEART FAILURE	642	13.4	14.4	1.7	21.5	22.8	2.9	26.6	29.0	3.0
PNEUMONIA/INFLUENZA	488	19.5	18.2	2.3	26.8	24.5	2.6	31.1	28.6	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	156	8.3	8.9	2.4	13.5	15.2	3.6	19.9	19.8	3.5
TRANSIENT CEREBRAL ISCHEMIA	299	1.7	2.0	0.9	3.7	4.2	1.3	7.0	6.7	1.5
STROKE	424	21.0	21.6	2.3	29.7	28.1	2.9	33.5	31.8	3.2
HIP FRACTURE	247	5.7	6.8	2.0	13.4	11.9	2.6	17.0	15.3	3.3
SEPSIS	131	21.4	23.7	4.4	31.3	31.3	6.8	35.9	35.8	5.7
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	124	3.2	3.3	1.8	8.1	6.2	2.7	12.1	9.0	3.6
CAROTID ENDARTERECTOMY	54	0.0	1.8	2.9	0.0	3.3	5.2	0.0	4.7	7.9
HIP REPLACEMENT/RECONSTRUCTION	157	4.5	4.0	1.8	8.3	7.4	2.4	10.2	9.9	2.7
OPEN REDUCTION OF HIP FRACTURE	137	4.4	6.3	2.5	12.4	11.2	3.0	17.5	14.7	4.1
PROSTATECTOMY	465	0.6	1.1	0.7	2.4	2.6	1.1	3.4	4.5	1.4
CHOLECYSTECTOMY	215	2.8	3.1	1.2	5.1	5.6	1.8	6.0	7.3	2.5
HYSTERECTOMY	87	0.0	0.7	1.1	0.0	1.6	1.9	1.1	2.6	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 50,117

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.74	26.41	0.23	1.24	0.01	4.57	4.44	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.77	0.04	1.23	0.06					
CONGESTIVE HEART FAILURE	2.00	1.63	0.06	1.23	0.04					
PNEUMONIA/INFLUENZA	1.22	1.02	0.04	1.20	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.47	0.03	0.89	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.68	0.37	0.03	1.93	0.14					
STROKE	0.90	0.88	0.04	1.04	0.05					
HIP FRACTURE	0.54	0.55	0.03	0.97	0.06					
SEPSIS	0.43	0.38	0.03	1.14	0.08					
PROCEDURES:										
ANGIOPLASTY	0.21	0.28	0.02	0.79	0.07					
CORONARY ARTERY BYPASS GRAFT	0.36	0.38	0.03	0.99	0.07					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.02	1.41	0.15					
CAROTID ENDARTERECTOMY	0.12	0.11	0.02	1.18	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.40	0.03	0.91	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.02	1.02	0.09					
PROSTATECTOMY	0.87	0.68	0.04	1.30	0.07					
CHOLECYSTECTOMY	0.45	0.38	0.03	1.19	0.09					
HYSTERECTOMY	0.18	0.17	0.02	1.04	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

VINELAND-MILLVILLE-BRIDGETON, NJ (8760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,984	9.9	9.7	0.6	15.5	14.8	0.8	19.0	18.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	126	26.2	28.0	4.6	30.2	30.8	4.3	34.1	33.4	4.2
CONGESTIVE HEART FAILURE	251	14.7	14.5	2.6	20.7	23.1	3.9	25.5	29.5	5.0
PNEUMONIA/INFLUENZA	129	21.7	17.2	4.6	28.7	23.4	4.8	31.0	27.7	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	65	12.3	8.9	7.8	20.0	15.3	8.0	23.1	20.0	7.1
TRANSIENT CEREBRAL ISCHEMIA	72	2.8	1.8	2.7	8.3	4.0	4.5	9.7	6.6	5.5
STROKE	139	20.9	18.7	3.8	28.8	25.3	4.7	30.9	29.1	4.6
HIP FRACTURE	99	5.1	5.7	3.7	10.1	10.4	4.1	12.1	13.6	3.8
SEPSIS	55	40.0	31.2	10.2	52.7	41.5	9.9	58.2	46.9	10.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	45	0.0	3.5	*	6.7	6.5	*	11.1	9.1	*
CAROTID ENDARTERECTOMY	9	0.0	1.3	*	0.0	2.4	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	47	0.0	3.0	*	0.0	5.6	*	2.1	7.5	*
OPEN REDUCTION OF HIP FRACTURE	61	4.9	5.2	4.1	9.8	9.8	4.9	11.5	13.0	4.4
PROSTATECTOMY	78	2.6	1.0	1.9	3.8	2.5	2.0	5.1	4.3	2.6
CHOLECYSTECTOMY	71	2.8	2.7	2.3	4.2	4.8	2.6	7.0	6.2	3.0
HYSTERECTOMY	26	0.0	1.1	*	0.0	2.4	*	0.0	3.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 22,417

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.94	27.69	0.35	1.12	0.01	4.62	4.47	0.14	1.03	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.81	0.06	1.15	0.09					
CONGESTIVE HEART FAILURE	2.30	1.70	0.09	1.34	0.07					
PNEUMONIA/INFLUENZA	0.88	1.19	0.07	0.75	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.51	0.05	0.97	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.35	0.04	1.29	0.15					
STROKE	0.82	0.91	0.06	0.90	0.06					
HIP FRACTURE	0.53	0.54	0.05	0.98	0.09					
SEPSIS	0.37	0.37	0.04	0.98	0.11					
PROCEDURES:										
ANGIOPLASTY	0.19	0.28	0.03	0.69	0.09					
CORONARY ARTERY BYPASS GRAFT	0.41	0.37	0.04	1.11	0.13					
INITIAL PACEMAKER INSERTION	0.32	0.19	0.03	1.63	0.26					
CAROTID ENDARTERECTOMY	0.11	0.12	0.02	0.86	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.33	0.38	0.04	0.82	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.26	0.03	1.20	0.16					
PROSTATECTOMY	0.58	0.67	0.05	0.89	0.07					
CHOLECYSTECTOMY	0.46	0.43	0.04	1.10	0.12					
HYSTERECTOMY	0.18	0.17	0.03	1.06	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

WILMINGTON, DE-NJ-MD (9160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,021	8.4	9.0	0.3	13.3	13.6	0.3	17.2	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	503	22.7	24.8	4.0	26.2	28.0	3.9	30.6	30.9	3.7
CONGESTIVE HEART FAILURE	748	13.4	13.8	1.4	21.5	22.0	1.9	27.8	28.0	2.6
PNEUMONIA/INFLUENZA	541	14.4	15.5	1.6	18.1	21.2	2.0	21.6	24.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	192	5.7	8.3	3.3	14.1	14.6	3.2	19.3	19.3	3.0
TRANSIENT CEREBRAL ISCHEMIA	209	1.4	1.8	1.0	4.3	4.1	1.6	6.7	6.6	2.3
STROKE	535	20.6	20.3	1.8	26.9	26.4	2.1	31.4	30.0	2.5
HIP FRACTURE	334	7.8	6.6	2.1	12.3	11.7	2.1	15.6	15.2	2.1
SEPSIS	217	28.1	26.9	4.2	37.8	35.2	5.3	43.3	39.9	6.1
PROCEDURES:										
ANGIOPLASTY	119	0.0	2.9	2.0	0.8	4.0	2.4	1.7	5.0	2.8
CORONARY ARTERY BYPASS GRAFT	166	4.8	6.6	2.5	8.4	9.4	2.4	10.2	10.6	2.5
INITIAL PACEMAKER INSERTION	100	3.0	3.3	1.8	7.0	6.4	2.6	17.0	9.0	5.9
CAROTID ENDARTERECTOMY	55	1.8	1.3	1.8	5.5	2.4	3.4	5.5	3.5	3.8
HIP REPLACEMENT/RECONSTRUCTION	257	5.1	3.3	1.5	7.8	6.1	1.8	10.5	8.2	2.3
OPEN REDUCTION OF HIP FRACTURE	173	7.5	6.1	2.0	11.0	11.1	2.4	13.9	14.6	2.9
PROSTATECTOMY	473	0.6	0.9	0.5	1.5	2.1	0.9	2.3	3.5	1.3
CHOLECYSTECTOMY	257	2.3	2.6	1.3	5.8	4.8	2.0	7.8	6.6	2.6
HYSTERECTOMY	108	3.7	0.6	3.2	3.7	1.3	2.4	4.6	2.0	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 74,848

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.85	26.66	0.19	1.08	0.01	4.71	4.51	0.08	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.80	0.03	1.31	0.05					
CONGESTIVE HEART FAILURE	1.80	1.64	0.05	1.10	0.03					
PNEUMONIA/INFLUENZA	1.06	1.07	0.04	1.00	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.47	0.02	1.11	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.36	0.02	1.14	0.07					
STROKE	0.98	0.89	0.03	1.09	0.04					
HIP FRACTURE	0.57	0.54	0.03	1.03	0.05					
SEPSIS	0.44	0.39	0.02	1.13	0.07					
PROCEDURES:										
ANGIOPLASTY	0.25	0.29	0.02	0.86	0.06					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.03	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.91	0.08					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	1.07	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.40	0.02	1.11	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.28	0.02	0.98	0.07					
PROSTATECTOMY	0.83	0.72	0.03	1.15	0.05					
CHOLECYSTECTOMY	0.45	0.39	0.02	1.15	0.07					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

ALBUQUERQUE, NM (0200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	12,652	7.8	7.2	0.3	11.6	11.1	0.4	14.6	14.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	416	14.9	22.2	2.8	18.5	24.8	3.1	19.5	27.3	3.0
CONGESTIVE HEART FAILURE	512	14.6	13.8	1.8	23.2	22.1	2.2	29.7	28.4	2.5
PNEUMONIA/INFLUENZA	579	12.4	13.3	1.5	16.4	18.5	1.8	19.5	22.1	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	169	11.2	6.7	2.6	17.2	11.8	3.2	20.7	15.8	4.0
TRANSIENT CEREBRAL ISCHEMIA	107	1.9	1.3	2.5	5.6	3.0	3.1	9.3	5.1	3.9
STROKE	361	19.1	18.9	2.9	26.9	24.7	3.3	31.0	28.4	4.2
HIP FRACTURE	370	7.6	4.9	1.9	11.1	8.9	2.9	15.9	12.0	2.9
SEPSIS	104	26.0	25.4	4.7	31.7	33.8	6.1	36.5	38.8	6.2
PROCEDURES:										
ANGIOPLASTY	202	2.0	2.6	1.7	3.0	3.4	2.1	3.5	4.2	2.1
CORONARY ARTERY BYPASS GRAFT	218	2.8	5.3	2.2	4.1	7.5	2.5	6.0	8.5	2.8
INITIAL PACEMAKER INSERTION	79	2.5	2.5	1.9	5.1	4.9	2.5	7.6	7.2	3.2
CAROTID ENDARTERECTOMY	36	2.8	1.0	*	2.8	1.9	*	5.6	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	308	1.9	2.3	0.9	3.9	4.5	1.6	7.5	6.3	1.6
OPEN REDUCTION OF HIP FRACTURE	202	8.9	4.6	2.9	11.9	8.5	3.6	16.3	11.6	3.7
PROSTATECTOMY	397	1.0	0.6	0.6	1.5	1.6	0.7	2.8	2.7	1.1
CHOLECYSTECTOMY	336	5.4	2.5	1.3	8.0	4.7	1.7	8.9	6.3	1.7
HYSTERECTOMY	119	2.5	0.8	1.7	5.0	1.7	3.1	6.7	2.8	3.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 57,569

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.15	27.69	0.22	0.80	0.01	3.89	4.48	0.09	0.87	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.65	0.90	0.04	0.71	0.03					
CONGESTIVE HEART FAILURE	1.07	1.66	0.05	0.64	0.02					
PNEUMONIA/INFLUENZA	1.13	1.29	0.05	0.87	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.58	0.03	0.63	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.16	0.38	0.03	0.43	0.03					
STROKE	0.59	0.87	0.04	0.68	0.03					
HIP FRACTURE	0.63	0.58	0.03	1.09	0.06					
SEPSIS	0.22	0.35	0.02	0.64	0.04					
PROCEDURES:										
ANGIOPLASTY	0.21	0.32	0.02	0.66	0.05					
CORONARY ARTERY BYPASS GRAFT	0.27	0.41	0.03	0.65	0.04					
INITIAL PACEMAKER INSERTION	0.12	0.19	0.02	0.64	0.06					
CAROTID ENDARTERECTOMY	0.05	0.15	0.02	0.32	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.44	0.03	0.92	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.28	0.02	1.21	0.09					
PROSTATECTOMY	0.54	0.74	0.04	0.74	0.04					
CHOLECYSTECTOMY	0.50	0.47	0.03	1.06	0.06					
HYSTERECTOMY	0.14	0.18	0.02	0.79	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

LAS CRUSE, NM (4100)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,360	8.3	8.2	0.6	12.4	12.8	0.8	15.2	16.2	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	49	30.6	27.3	*	32.7	30.1	*	34.7	32.5	*
CONGESTIVE HEART FAILURE	67	14.9	14.1	5.5	22.4	22.8	5.5	26.9	29.0	6.3
PNEUMONIA/INFLUENZA	115	14.8	14.7	3.4	18.3	20.2	4.0	20.0	23.7	4.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	34	5.9	6.3	*	8.8	10.8	*	8.8	14.5	*
TRANSIENT CEREBRAL ISCHEMIA	34	5.9	1.6	*	8.8	3.7	*	8.8	6.2	*
STROKE	76	13.2	19.2	5.9	18.4	25.7	6.9	19.7	29.6	8.1
HIP FRACTURE	71	4.2	5.6	3.0	7.0	10.0	4.8	9.9	13.1	5.6
SEPSIS	21	14.3	21.1	*	19.0	27.2	*	19.0	30.7	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	14	7.1	2.4	*	14.3	5.2	*	14.3	8.0	*
CAROTID ENDARTERECTOMY	12	0.0	1.5	*	0.0	2.7	*	0.0	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	53	3.8	3.6	3.0	7.5	6.9	4.2	9.4	9.4	4.5
OPEN REDUCTION OF HIP FRACTURE	29	3.4	6.2	*	3.4	11.2	*	6.9	14.7	*
PROSTATECTOMY	150	0.0	0.9	1.1	1.3	2.1	1.3	2.7	3.5	1.7
CHOLECYSTECTOMY	47	2.1	3.0	*	2.1	5.7	*	2.1	7.7	*
HYSTERECTOMY	22	0.0	0.6	*	4.5	1.2	*	4.5	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,138

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.41	27.65	0.44	0.92	0.01	3.67	4.32	0.17	0.85	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.54	0.93	0.08	0.60	0.05					
CONGESTIVE HEART FAILURE	1.04	1.58	0.11	0.66	0.04					
PNEUMONIA/INFLUENZA	1.20	1.39	0.10	0.85	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.40	0.61	0.07	0.66	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.37	0.05	0.84	0.13					
STROKE	0.67	0.87	0.08	0.75	0.07					
HIP FRACTURE	0.56	0.54	0.06	1.04	0.13					
SEPSIS	0.29	0.33	0.05	0.76	0.12					
PROCEDURES:										
ANGIOPLASTY	0.11	0.33	0.05	0.34	0.05					
CORONARY ARTERY BYPASS GRAFT	0.40	0.43	0.06	1.04	0.14					
INITIAL PACEMAKER INSERTION	0.13	0.19	0.04	0.61	0.13					
CAROTID ENDARTERECTOMY	0.07	0.15	0.03	0.40	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.44	0.06	1.01	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.26	0.04	0.90	0.16					
PROSTATECTOMY	0.93	0.82	0.08	1.08	0.10					
CHOLECYSTECTOMY	0.40	0.50	0.06	0.86	0.11					
HYSTERECTOMY	0.18	0.18	0.04	0.85	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

SANTA FE, NM (7490)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,461	9.1	7.7	0.8	12.6	11.7	0.8	15.4	14.9	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	65	24.6	24.8	5.5	26.2	27.2	5.9	26.2	29.5	5.9
CONGESTIVE HEART FAILURE	84	17.9	14.1	4.9	22.6	22.7	4.7	28.6	28.8	5.0
PNEUMONIA/INFLUENZA	176	12.5	13.5	3.2	17.0	18.4	3.3	19.9	21.7	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	20	10.0	7.7	*	10.0	13.2	*	15.0	16.8	*
TRANSIENT CEREBRAL ISCHEMIA	23	0.0	1.3	*	0.0	2.9	*	0.0	4.6	*
STROKE	63	17.5	20.0	6.0	19.0	26.8	8.0	23.8	30.8	9.3
HIP FRACTURE	108	7.4	6.2	2.6	13.0	11.4	3.3	15.7	14.9	3.5
SEPSIS	22	13.6	27.6	*	22.7	35.8	*	27.3	40.9	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	12	0.0	3.5	*	0.0	6.8	*	8.3	10.2	*
CAROTID ENDARTERECTOMY	20	0.0	1.6	*	0.0	3.2	*	0.0	4.7	*
HIP REPLACEMENT/RECONSTRUCTION	51	0.0	2.6	3.5	5.9	5.1	3.2	5.9	7.0	4.0
OPEN REDUCTION OF HIP FRACTURE	39	7.7	5.5	*	15.4	10.4	*	17.9	13.9	*
PROSTATECTOMY	134	1.5	0.9	1.3	2.2	2.2	1.7	3.7	3.7	2.4
CHOLECYSTECTOMY	51	5.9	2.4	4.7	5.9	4.0	4.5	7.8	5.2	4.7
HYSTERECTOMY	23	0.0	0.8	*	4.3	1.9	*	8.7	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 12,590

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.19	26.33	0.46	0.88	0.01	4.02	4.41	0.19	0.91	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.64	0.86	0.08	0.74	0.07					
CONGESTIVE HEART FAILURE	0.89	1.53	0.11	0.58	0.04					
PNEUMONIA/INFLUENZA	1.60	1.22	0.10	1.32	0.11					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.52	0.07	0.55	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.35	0.05	0.57	0.09					
STROKE	0.62	0.83	0.08	0.77	0.08					
HIP FRACTURE	0.68	0.57	0.07	1.20	0.14					
SEPSIS	0.24	0.33	0.05	0.78	0.13					
PROCEDURES:										
ANGIOPLASTY	0.19	0.31	0.05	0.64	0.11					
CORONARY ARTERY BYPASS GRAFT	0.21	0.40	0.06	0.54	0.08					
INITIAL PACEMAKER INSERTION	0.14	0.19	0.04	0.78	0.17					
CAROTID ENDARTERECTOMY	0.22	0.13	0.03	1.73	0.47					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.44	0.06	1.01	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.28	0.05	1.00	0.18					
PROSTATECTOMY	0.75	0.74	0.08	1.02	0.11					
CHOLECYSTECTOMY	0.38	0.44	0.06	0.90	0.13					
HYSTERECTOMY	0.17	0.18	0.04	1.12	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

NM-(NONMSA) (99NM)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,970	9.8	8.9	0.3	13.7	13.4	0.3	16.8	16.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	362	26.5	25.2	2.4	28.5	28.1	2.4	30.7	30.7	2.4
CONGESTIVE HEART FAILURE	633	13.7	14.2	1.7	20.5	22.6	2.6	25.9	28.8	3.1
PNEUMONIA/INFLUENZA	1,296	14.4	14.3	1.0	18.9	19.9	1.4	21.8	23.5	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	331	6.6	7.9	1.7	11.8	14.0	2.4	18.4	18.7	2.3
TRANSIENT CEREBRAL ISCHEMIA	178	0.6	1.6	1.3	2.2	3.6	1.8	6.7	6.1	1.9
STROKE	390	26.4	21.2	3.3	34.6	27.4	3.9	35.9	31.2	3.8
HIP FRACTURE	337	8.3	6.5	2.1	12.2	11.4	1.9	13.4	14.7	2.3
SEPSIS	183	21.3	23.7	3.4	24.0	30.9	4.2	30.1	35.3	4.3
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	32	3.1	4.3	*	9.4	7.8	*	15.6	10.8	*
CAROTID ENDARTERECTOMY	24	4.2	1.5	*	4.2	2.9	*	4.2	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	188	4.3	3.7	1.5	7.4	6.9	2.0	10.6	9.4	2.4
OPEN REDUCTION OF HIP FRACTURE	161	8.1	5.7	2.7	10.6	10.4	2.4	11.2	13.8	3.6
PROSTATECTOMY	376	0.8	0.8	0.5	2.1	1.9	1.1	2.1	3.3	1.1
CHOLECYSTECTOMY	365	5.2	2.6	1.9	6.3	4.7	1.9	7.7	6.1	2.1
HYSTERECTOMY	72	1.4	0.3	1.1	1.4	0.8	1.2	1.4	1.2	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 104,013

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.60	29.44	0.17	1.01	0.01	4.15	4.52	0.07	0.92	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.98	0.03	0.92	0.03					
CONGESTIVE HEART FAILURE	1.46	1.69	0.04	0.95	0.02					
PNEUMONIA/INFLUENZA	2.11	1.63	0.04	1.29	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.67	0.03	0.95	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.39	0.02	0.79	0.04					
STROKE	0.74	0.93	0.03	0.79	0.03					
HIP FRACTURE	0.66	0.58	0.02	1.14	0.05					
SEPSIS	0.35	0.34	0.02	1.00	0.06					
PROCEDURES:										
ANGIOPLASTY	0.28	0.32	0.02	0.91	0.05					
CORONARY ARTERY BYPASS GRAFT	0.26	0.42	0.02	0.64	0.03					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.01	0.63	0.05					
CAROTID ENDARTERECTOMY	0.08	0.15	0.01	0.68	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.45	0.02	1.01	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.02	1.13	0.07					
PROSTATECTOMY	0.81	0.83	0.03	0.96	0.03					
CHOLECYSTECTOMY	0.63	0.53	0.02	1.19	0.05					
HYSTERECTOMY	0.16	0.18	0.01	0.90	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

LAS VEGAS, NV (4120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	16,143	10.4	9.3	0.4	15.3	13.9	0.5	18.7	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	567	22.8	21.5	2.0	26.1	23.9	2.3	28.7	26.2	2.5
CONGESTIVE HEART FAILURE	754	13.1	12.8	1.5	21.0	20.5	1.8	27.9	26.3	2.5
PNEUMONIA/INFLUENZA	631	13.6	12.8	2.1	18.9	17.7	1.6	22.5	21.1	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	379	10.3	8.6	2.0	16.4	14.8	2.3	20.6	19.4	2.9
TRANSIENT CEREBRAL ISCHEMIA	241	1.2	1.5	0.8	2.5	3.2	1.3	3.7	5.2	1.8
STROKE	650	18.8	16.4	3.0	24.8	22.1	3.3	28.0	25.5	3.4
HIP FRACTURE	400	5.5	6.2	1.4	10.7	10.9	1.8	15.2	14.0	2.2
SEPSIS	272	25.4	25.6	3.2	33.8	32.8	4.1	37.9	37.1	4.8
PROCEDURES:										
ANGIOPLASTY	329	4.0	3.5	1.3	4.3	4.6	1.2	6.1	5.6	1.5
CORONARY ARTERY BYPASS GRAFT	375	8.5	6.0	1.8	12.8	8.5	2.6	13.1	9.6	2.4
INITIAL PACEMAKER INSERTION	153	3.9	2.6	1.9	6.5	5.2	2.0	7.8	7.6	2.2
CAROTID ENDARTERECTOMY	120	2.5	1.4	1.8	4.2	2.6	1.9	4.2	3.9	2.1
HIP REPLACEMENT/RECONSTRUCTION	347	2.9	3.1	1.4	7.2	5.5	2.0	9.8	7.4	2.6
OPEN REDUCTION OF HIP FRACTURE	218	5.0	5.5	1.6	9.6	10.0	2.1	13.3	13.1	2.3
PROSTATECTOMY	676	1.3	0.9	0.5	2.8	2.1	0.8	3.8	3.6	0.9
CHOLECYSTECTOMY	372	5.1	2.9	1.5	8.6	5.2	2.3	9.7	6.8	2.1
HYSTERECTOMY	133	0.8	0.4	0.8	1.5	1.0	1.2	1.5	1.6	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 90,892

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.68	25.55	0.17	0.93	0.01	4.14	3.90	0.07	1.06	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.84	0.03	0.80	0.03					
CONGESTIVE HEART FAILURE	1.32	1.50	0.04	0.89	0.02					
PNEUMONIA/INFLUENZA	0.94	1.04	0.03	0.90	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.68	0.54	0.02	1.25	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.35	0.02	0.87	0.05					
STROKE	0.77	0.81	0.03	0.94	0.03					
HIP FRACTURE	0.48	0.43	0.02	1.11	0.06					
SEPSIS	0.43	0.34	0.02	1.28	0.07					
PROCEDURES:										
ANGIOPLASTY	0.43	0.36	0.02	1.18	0.07					
CORONARY ARTERY BYPASS GRAFT	0.46	0.48	0.02	0.97	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.19	0.01	**	**					
CAROTID ENDARTERECTOMY	0.15	0.16	0.01	0.91	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.38	0.02	1.14	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.22	0.02	1.15	0.08					
PROSTATECTOMY	0.87	0.83	0.03	1.07	0.04					
CHOLECYSTECTOMY	0.47	0.45	0.02	1.04	0.05					
HYSTERECTOMY	0.17	0.18	0.01	0.97	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

RENO, NV (6720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,745	9.1	8.9	0.4	13.6	13.3	0.4	17.1	16.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	317	18.9	21.5	2.6	21.8	24.1	2.9	24.0	26.5	3.5
CONGESTIVE HEART FAILURE	280	13.9	13.1	2.3	21.4	20.8	4.0	28.9	26.6	4.1
PNEUMONIA/INFLUENZA	279	15.4	13.1	2.4	21.1	18.1	3.9	26.2	21.5	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	104	9.6	8.5	2.8	16.3	14.1	4.1	24.0	18.1	5.6
TRANSIENT CEREBRAL ISCHEMIA	91	0.0	1.7	2.1	3.3	3.9	3.4	5.5	6.4	4.4
STROKE	238	17.6	18.9	3.0	23.1	25.4	4.4	28.2	29.1	4.4
HIP FRACTURE	163	5.5	6.6	2.5	9.2	11.5	3.0	15.3	14.9	2.9
SEPSIS	41	19.5	26.1	*	34.1	34.5	*	34.1	39.7	*
PROCEDURES:										
ANGIOPLASTY	128	5.5	3.9	2.8	6.3	4.8	2.7	6.3	5.8	2.6
CORONARY ARTERY BYPASS GRAFT	152	8.6	6.9	2.7	9.9	9.5	2.5	12.5	10.6	3.0
INITIAL PACEMAKER INSERTION	65	3.1	3.0	2.1	4.6	5.8	3.4	7.7	8.4	5.0
CAROTID ENDARTERECTOMY	46	2.2	1.5	*	4.3	2.7	*	4.3	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	142	4.2	2.6	2.2	7.7	4.8	3.3	10.6	6.5	3.7
OPEN REDUCTION OF HIP FRACTURE	96	3.1	5.8	2.8	4.2	10.4	4.5	12.5	13.7	3.6
PROSTATECTOMY	253	0.8	0.8	0.9	1.2	1.9	1.4	2.8	3.3	2.1
CHOLECYSTECTOMY	145	6.2	3.2	2.8	9.0	5.8	3.4	10.3	7.6	3.8
HYSTERECTOMY	59	1.7	0.8	1.5	3.4	1.8	2.4	3.4	3.0	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 30,701

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.92	25.24	0.29	0.91	0.01	4.37	4.08	0.11	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.84	0.05	0.99	0.06					
CONGESTIVE HEART FAILURE	1.14	1.45	0.07	0.77	0.04					
PNEUMONIA/INFLUENZA	1.06	1.09	0.06	0.97	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.51	0.04	0.83	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.34	0.03	0.82	0.08					
STROKE	0.77	0.80	0.05	0.97	0.06					
HIP FRACTURE	0.46	0.50	0.04	0.94	0.08					
SEPSIS	0.17	0.32	0.03	0.49	0.05					
PROCEDURES:										
ANGIOPLASTY	0.30	0.34	0.03	0.89	0.09					
CORONARY ARTERY BYPASS GRAFT	0.37	0.44	0.04	0.88	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.02	0.95	0.13					
CAROTID ENDARTERECTOMY	0.14	0.14	0.02	0.91	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.42	0.04	0.94	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.25	0.03	0.98	0.12					
PROSTATECTOMY	0.69	0.81	0.05	0.85	0.05					
CHOLECYSTECTOMY	0.48	0.44	0.04	1.09	0.10					
HYSTERECTOMY	0.17	0.18	0.02	0.92	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

NV-(NONMSA) (99NV)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,199	10.4	9.5	0.8	14.2	14.0	0.7	17.6	17.2	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	75	22.7	24.6	6.4	26.7	27.6	6.8	29.3	30.3	5.8
CONGESTIVE HEART FAILURE	121	14.9	12.2	3.7	19.0	19.5	3.8	20.7	25.1	5.2
PNEUMONIA/INFLUENZA	198	10.1	12.3	3.6	15.2	17.0	3.4	18.2	20.4	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	44	11.4	7.7	*	15.9	13.1	*	20.5	17.5	*
TRANSIENT CEREBRAL ISCHEMIA	23	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
STROKE	86	17.4	17.8	4.3	22.1	23.3	4.9	26.7	26.8	4.8
HIP FRACTURE	74	9.5	5.9	4.5	16.2	10.4	5.7	18.9	13.7	5.3
SEPSIS	29	20.7	24.7	*	27.6	31.7	*	27.6	35.8	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	4	0.0	1.9	*	0.0	3.6	*	0.0	5.8	*
CAROTID ENDARTERECTOMY	5	0.0	0.9	*	0.0	1.6	*	0.0	2.5	*
HIP REPLACEMENT/RECONSTRUCTION	29	3.4	3.0	*	6.9	5.4	*	6.9	7.2	*
OPEN REDUCTION OF HIP FRACTURE	25	8.0	6.2	*	16.0	11.1	*	24.0	14.5	*
PROSTATECTOMY	128	0.8	0.6	0.9	1.6	1.5	1.7	1.6	2.6	2.3
CHOLECYSTECTOMY	39	2.6	1.3	*	2.6	2.5	*	2.6	3.4	*
HYSTERECTOMY	11	0.0	0.4	*	0.0	1.0	*	0.0	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,378

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.17	25.60	0.31	0.87	0.01	4.17	3.98	0.12	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.89	0.06	0.98	0.07					
CONGESTIVE HEART FAILURE	1.11	1.45	0.07	0.75	0.04					
PNEUMONIA/INFLUENZA	1.29	1.11	0.06	1.15	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.49	0.52	0.04	0.94	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.35	0.04	0.66	0.07					
STROKE	0.74	0.81	0.05	0.93	0.07					
HIP FRACTURE	0.50	0.48	0.04	1.21	0.11					
SEPSIS	0.22	0.31	0.03	0.68	0.08					
PROCEDURES:										
ANGIOPLASTY	0.30	0.35	0.04	0.86	0.10					
CORONARY ARTERY BYPASS GRAFT	0.40	0.48	0.04	0.80	0.07					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.03	0.64	0.10					
CAROTID ENDARTERECTOMY	0.11	0.15	0.03	0.47	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.43	0.04	0.88	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.24	0.03	0.97	0.14					
PROSTATECTOMY	0.87	0.89	0.06	0.99	0.07					
CHOLECYSTECTOMY	0.38	0.47	0.04	0.74	0.07					
HYSTERECTOMY	0.12	0.18	0.03	0.49	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

ALBANY-SCHENECTADY-TROY, NY (0160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	23,008	8.8	9.9	0.2	14.1	15.1	0.3	17.5	18.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	793	22.8	24.2	1.9	26.6	27.5	1.7	30.0	30.2	1.7
CONGESTIVE HEART FAILURE	1,319	13.9	14.8	1.2	24.0	23.3	1.3	29.9	29.5	1.4
PNEUMONIA/INFLUENZA	1,191	15.2	16.7	1.5	20.2	22.9	1.8	24.6	26.9	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	331	7.3	8.2	2.7	13.0	14.3	2.9	16.0	18.8	3.3
TRANSIENT CEREBRAL ISCHEMIA	318	1.6	2.1	1.2	3.8	4.5	1.5	7.2	7.2	1.5
STROKE	927	18.9	21.2	1.8	25.2	28.5	1.8	28.0	32.4	2.0
HIP FRACTURE	678	5.9	7.0	1.9	11.9	12.5	2.7	14.9	16.1	2.7
SEPSIS	262	21.0	26.4	3.2	28.2	34.6	3.4	30.5	39.3	3.8
PROCEDURES:										
ANGIOPLASTY	64	0.0	1.2	1.7	0.0	1.8	2.3	0.0	2.6	3.0
CORONARY ARTERY BYPASS GRAFT	309	4.9	4.8	1.2	9.1	7.0	2.3	9.7	8.1	2.1
INITIAL PACEMAKER INSERTION	207	3.4	3.4	1.5	9.2	6.7	2.7	10.6	9.7	2.2
CAROTID ENDARTERECTOMY	53	1.9	1.3	1.6	5.7	2.5	2.8	9.4	3.6	4.2
HIP REPLACEMENT/RECONSTRUCTION	499	2.2	3.9	1.3	5.4	7.2	1.9	7.2	9.6	2.2
OPEN REDUCTION OF HIP FRACTURE	331	4.2	6.2	2.3	10.6	11.4	3.6	13.0	15.1	3.9
PROSTATECTOMY	788	0.6	1.3	1.1	2.4	2.9	0.9	4.2	4.8	1.0
CHOLECYSTECTOMY	455	2.6	3.1	1.3	5.9	5.9	1.2	7.9	8.0	1.3
HYSTERECTOMY	162	3.7	1.2	2.5	5.6	2.5	3.1	5.6	3.9	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 138,562

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.04	27.57	0.14	0.94	0.00	4.74	4.72	0.06	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.89	0.02	1.05	0.03					
CONGESTIVE HEART FAILURE	1.87	1.67	0.03	1.12	0.02					
PNEUMONIA/INFLUENZA	1.39	1.27	0.03	1.09	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.51	0.02	0.89	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.37	0.02	0.95	0.04					
STROKE	0.95	0.90	0.02	1.05	0.03					
HIP FRACTURE	0.65	0.65	0.02	**	**					
SEPSIS	0.32	0.35	0.02	0.87	0.04					
PROCEDURES:										
ANGIOPLASTY	0.10	0.28	0.01	0.35	0.02					
CORONARY ARTERY BYPASS GRAFT	0.42	0.38	0.02	1.13	0.05					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.10	0.07					
CAROTID ENDARTERECTOMY	0.06	0.12	0.01	0.47	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.47	0.02	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.01	1.01	0.05					
PROSTATECTOMY	0.73	0.71	0.02	1.04	0.03					
CHOLECYSTECTOMY	0.42	0.43	0.02	0.97	0.04					
HYSTERECTOMY	0.14	0.18	0.01	0.80	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

BINGHAMTON, NY (0960)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,024	8.2	9.3	0.4	13.7	14.1	0.6	17.0	17.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	260	18.8	23.6	3.5	25.8	26.6	3.3	28.5	29.2	3.3
CONGESTIVE HEART FAILURE	493	13.8	14.4	2.3	23.7	22.8	2.3	30.4	29.1	2.3
PNEUMONIA/INFLUENZA	424	13.9	16.8	2.0	24.3	23.0	2.1	30.0	27.0	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	111	8.1	8.6	3.3	15.3	14.7	5.4	17.1	19.3	5.2
TRANSIENT CEREBRAL ISCHEMIA	160	1.9	1.9	1.3	5.0	4.3	1.9	6.3	7.0	2.7
STROKE	283	21.6	21.6	2.5	28.3	28.2	2.7	31.8	32.0	2.8
HIP FRACTURE	206	5.3	6.6	2.2	11.2	11.8	2.3	15.5	15.3	2.6
SEPSIS	78	23.1	25.3	6.3	35.9	34.2	5.5	37.2	39.1	5.7
PROCEDURES:										
ANGIOPLASTY	42	2.4	1.9	*	4.8	2.7	*	4.8	3.5	*
CORONARY ARTERY BYPASS GRAFT	107	4.7	4.8	2.2	6.5	6.8	2.5	6.5	7.8	2.8
INITIAL PACEMAKER INSERTION	38	5.3	3.7	*	5.3	7.2	*	5.3	10.3	*
CAROTID ENDARTERECTOMY	35	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	153	3.3	3.3	2.9	11.1	6.3	4.5	12.4	8.6	4.9
OPEN REDUCTION OF HIP FRACTURE	86	7.0	6.6	2.7	8.1	12.2	4.2	12.8	15.9	4.3
PROSTATECTOMY	232	0.9	0.9	0.7	1.3	2.2	1.2	1.3	3.8	2.0
CHOLECYSTECTOMY	127	1.6	2.4	1.5	2.4	4.2	2.5	3.1	5.4	3.2
HYSTERECTOMY	59	0.0	0.9	1.6	0.0	2.2	2.8	1.7	3.4	2.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 44,084

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.57	27.66	0.25	1.03	0.01	4.70	4.65	0.10	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.90	0.04	1.02	0.05					
CONGESTIVE HEART FAILURE	2.06	1.66	0.06	1.23	0.05					
PNEUMONIA/INFLUENZA	1.52	1.31	0.05	1.16	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.53	0.03	0.87	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.37	0.03	1.43	0.12					
STROKE	0.93	0.88	0.04	1.04	0.05					
HIP FRACTURE	0.56	0.65	0.04	0.85	0.05					
SEPSIS	0.26	0.34	0.03	0.76	0.06					
PROCEDURES:										
ANGIOPLASTY	0.20	0.28	0.03	0.70	0.07					
CORONARY ARTERY BYPASS GRAFT	0.39	0.39	0.03	1.05	0.08					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.02	0.57	0.07					
CAROTID ENDARTERECTOMY	0.12	0.12	0.02	0.88	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.47	0.03	0.89	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.31	0.03	0.71	0.06					
PROSTATECTOMY	0.69	0.71	0.04	0.95	0.05					
CHOLECYSTECTOMY	0.43	0.45	0.03	0.95	0.07					
HYSTERECTOMY	0.16	0.18	0.02	0.92	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

BUFFALO, NY (1280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	29,596	9.6	9.6	0.2	15.6	14.6	0.3	19.6	18.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,064	25.2	25.2	1.4	30.3	28.4	1.7	33.6	31.2	1.9
CONGESTIVE HEART FAILURE	1,625	13.6	14.8	0.9	24.9	23.3	1.1	32.6	29.5	1.2
PNEUMONIA/INFLUENZA	1,038	22.9	17.1	1.3	30.9	23.4	1.6	34.5	27.5	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	360	8.6	9.6	1.9	16.9	16.5	2.1	22.8	21.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	520	2.5	2.0	0.9	4.8	4.5	1.0	8.1	7.2	1.4
STROKE	1,164	20.2	19.9	1.6	29.7	26.6	1.6	33.8	30.4	2.0
HIP FRACTURE	657	6.4	6.7	1.1	12.3	11.9	1.4	16.9	15.3	2.1
SEPSIS	254	28.3	28.0	3.1	37.4	36.7	3.3	44.5	41.7	3.9
PROCEDURES:										
ANGIOPLASTY	141	0.7	2.4	2.1	1.4	3.2	2.4	1.4	4.0	2.7
CORONARY ARTERY BYPASS GRAFT	424	3.3	4.9	1.9	5.0	7.1	1.8	6.1	8.1	1.7
INITIAL PACEMAKER INSERTION	286	2.1	3.2	1.4	7.3	6.1	1.7	10.5	8.7	2.3
CAROTID ENDARTERECTOMY	148	1.4	1.4	1.0	2.0	2.6	1.4	4.1	3.7	1.6
HIP REPLACEMENT/RECONSTRUCTION	504	3.6	3.0	0.9	7.1	5.5	1.5	10.3	7.4	2.1
OPEN REDUCTION OF HIP FRACTURE	274	5.1	6.5	1.6	10.6	11.7	2.1	14.2	15.3	2.2
PROSTATECTOMY	853	0.5	1.0	0.6	1.8	2.4	0.7	3.0	3.9	1.0
CHOLECYSTECTOMY	480	3.8	3.0	1.0	7.3	5.4	1.8	8.7	7.1	2.0
HYSTERECTOMY	266	0.4	1.4	0.9	3.8	3.1	2.2	6.8	4.7	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 168,152

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.56	28.79	0.13	0.85	0.00	4.92	4.60	0.05	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.90	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.71	1.79	0.03	0.95	0.02					
PNEUMONIA/INFLUENZA	0.89	1.28	0.03	0.69	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.56	0.02	0.66	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.41	0.02	1.05	0.04					
STROKE	0.89	0.93	0.02	0.96	0.02					
HIP FRACTURE	0.52	0.60	0.02	0.86	0.03					
SEPSIS	0.23	0.37	0.01	0.62	0.02					
PROCEDURES:										
ANGIOPLASTY	0.12	0.30	0.01	0.39	0.02					
CORONARY ARTERY BYPASS GRAFT	0.30	0.41	0.02	0.74	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.08	0.06					
CAROTID ENDARTERECTOMY	0.10	0.14	0.01	0.74	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.45	0.02	0.78	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.01	0.77	0.04					
PROSTATECTOMY	0.58	0.72	0.02	0.81	0.02					
CHOLECYSTECTOMY	0.34	0.46	0.02	0.72	0.03					
HYSTERECTOMY	0.17	0.18	0.01	0.94	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

ELMIRA, NY (2335)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	3,828	8.9	8.4	0.7	13.2	12.9	0.6	16.4	16.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	145	24.8	24.0	3.7	26.9	27.1	3.7	30.3	29.9	3.8
CONGESTIVE HEART FAILURE	203	18.2	14.4	4.4	29.1	22.9	5.7	36.5	29.2	5.9
PNEUMONIA/INFLUENZA	158	15.2	13.9	3.0	22.2	19.2	5.3	25.9	22.9	6.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	91	8.8	7.0	6.1	17.6	12.6	7.4	23.1	17.1	7.6
TRANSIENT CEREBRAL ISCHEMIA	52	1.9	2.0	2.4	3.8	4.2	3.9	3.8	6.7	4.6
STROKE	117	21.4	19.9	4.0	29.9	26.8	4.9	31.6	30.5	4.5
HIP FRACTURE	84	3.6	6.9	5.1	10.7	12.2	6.1	11.9	15.9	5.9
SEPSIS	42	16.7	21.6	*	26.2	28.7	*	28.6	32.7	*
PROCEDURES:										
ANGIOPLASTY	70	2.9	2.1	1.8	5.7	3.1	2.8	5.7	4.0	3.7
CORONARY ARTERY BYPASS GRAFT	182	5.5	5.3	1.8	6.6	8.0	2.8	9.3	9.3	3.2
INITIAL PACEMAKER INSERTION	33	0.0	4.4	*	0.0	8.1	*	0.0	11.4	*
CAROTID ENDARTERECTOMY	24	0.0	1.2	*	0.0	2.2	*	0.0	3.2	*
HIP REPLACEMENT/RECONSTRUCTION	64	0.0	2.8	3.4	3.1	5.4	4.7	4.7	7.5	5.2
OPEN REDUCTION OF HIP FRACTURE	37	2.7	6.9	*	8.1	12.4	*	10.8	16.2	*
PROSTATECTOMY	76	0.0	0.8	1.5	1.3	2.0	2.2	3.9	3.4	2.6
CHOLECYSTECTOMY	40	2.5	2.0	*	2.5	3.6	*	2.5	4.8	*
HYSTERECTOMY	25	4.0	0.3	*	4.0	0.7	*	4.0	1.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,744

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.93	28.91	0.42	0.97	0.01	4.85	4.71	0.17	1.03	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.93	0.07	1.08	0.09					
CONGESTIVE HEART FAILURE	1.94	1.77	0.10	1.09	0.06					
PNEUMONIA/INFLUENZA	1.18	1.39	0.09	0.84	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.87	0.59	0.06	1.47	0.15					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.40	0.05	0.97	0.12					
STROKE	0.90	0.92	0.07	0.98	0.08					
HIP FRACTURE	0.58	0.64	0.06	0.91	0.09					
SEPSIS	0.34	0.36	0.05	0.94	0.12					
PROCEDURES:										
ANGIOPLASTY	0.26	0.30	0.04	0.87	0.12					
CORONARY ARTERY BYPASS GRAFT	0.45	0.39	0.05	1.15	0.14					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.03	0.96	0.17					
CAROTID ENDARTERECTOMY	0.16	0.14	0.03	1.10	0.23					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.46	0.05	0.93	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.04	0.89	0.12					
PROSTATECTOMY	0.60	0.71	0.06	0.84	0.08					
CHOLECYSTECTOMY	0.26	0.48	0.05	0.55	0.06					
HYSTERECTOMY	0.13	0.18	0.03	0.68	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

GLENS FALLS, NY (2975)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,982	9.2	9.9	0.7	14.3	15.2	0.8	17.7	18.9	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	151	27.8	24.3	4.0	32.5	27.7	4.5	33.1	30.5	4.2
CONGESTIVE HEART FAILURE	244	18.0	15.6	3.5	25.4	24.4	3.2	34.0	30.8	4.1
PNEUMONIA/INFLUENZA	239	11.3	16.6	3.8	17.2	22.6	4.6	21.8	26.6	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	62	4.8	7.5	4.9	9.7	13.9	5.9	12.9	18.7	6.6
TRANSIENT CEREBRAL ISCHEMIA	39	2.6	2.2	*	2.6	4.7	*	2.6	7.4	*
STROKE	146	19.2	19.5	4.5	30.1	26.6	6.6	33.6	30.5	7.6
HIP FRACTURE	108	5.6	6.3	2.5	13.0	11.4	4.0	14.8	15.0	7.0
SEPSIS	57	21.1	28.5	9.5	29.8	38.0	8.9	36.8	43.3	8.8
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	19	0.0	2.2	*	0.0	4.2	*	0.0	6.1	*
CAROTID ENDARTERECTOMY	9	0.0	1.7	*	11.1	3.1	*	11.1	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	69	2.9	4.0	2.5	8.7	7.9	3.3	8.7	10.8	6.3
OPEN REDUCTION OF HIP FRACTURE	39	5.1	5.8	*	7.7	10.2	*	10.3	13.4	*
PROSTATECTOMY	121	0.8	1.2	1.1	1.7	2.8	1.8	3.3	4.7	2.2
CHOLECYSTECTOMY	90	2.2	2.5	1.9	2.2	4.7	2.6	4.4	6.4	3.4
HYSTERECTOMY	43	4.7	1.2	*	7.0	3.0	*	7.0	4.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,181

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.59	28.46	0.38	1.04	0.01	4.73	4.72	0.16	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.16	0.94	0.07	1.23	0.10					
CONGESTIVE HEART FAILURE	2.11	1.70	0.09	1.23	0.07					
PNEUMONIA/INFLUENZA	1.69	1.41	0.09	1.20	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.70	0.56	0.06	1.22	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.38	0.04	0.76	0.10					
STROKE	0.87	0.90	0.07	0.97	0.08					
HIP FRACTURE	0.61	0.65	0.06	0.93	0.09					
SEPSIS	0.47	0.34	0.04	1.41	0.19					
PROCEDURES:										
ANGIOPLASTY	0.12	0.28	0.04	0.45	0.07					
CORONARY ARTERY BYPASS GRAFT	0.34	0.39	0.05	0.92	0.12					
INITIAL PACEMAKER INSERTION	0.13	0.19	0.03	0.70	0.14					
CAROTID ENDARTERECTOMY	0.05	0.12	0.03	0.48	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.05	1.02	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.31	0.04	0.76	0.11					
PROSTATECTOMY	0.72	0.75	0.06	0.96	0.08					
CHOLECYSTECTOMY	0.44	0.47	0.05	0.90	0.10					
HYSTERECTOMY	0.20	0.18	0.03	0.93	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

JAMESTOWN-DUNKIRK, NY (3610)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,203	9.3	9.3	0.4	14.9	14.2	0.8	18.3	17.8	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	171	28.1	27.4	3.6	34.5	31.1	4.6	35.7	33.9	4.2
CONGESTIVE HEART FAILURE	304	14.8	15.1	2.3	24.0	23.9	2.6	29.9	30.0	3.0
PNEUMONIA/INFLUENZA	210	18.1	17.3	2.9	24.8	23.7	3.3	27.6	28.0	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	97	11.3	10.0	3.6	15.5	17.3	4.3	18.6	22.7	5.6
TRANSIENT CEREBRAL ISCHEMIA	96	1.0	1.9	2.0	4.2	4.2	3.8	4.2	6.8	4.3
STROKE	209	23.0	20.7	3.5	33.0	28.1	4.3	36.4	32.1	4.1
HIP FRACTURE	147	5.4	6.8	2.4	12.2	12.0	2.8	17.0	15.6	3.6
SEPSIS	41	36.6	28.2	*	48.8	37.6	*	51.2	42.4	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	39	5.1	3.5	*	10.3	6.8	*	15.4	9.9	*
CAROTID ENDARTERECTOMY	11	0.0	1.3	*	0.0	2.3	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	106	5.7	3.4	2.3	11.3	6.5	3.8	13.2	9.0	4.7
OPEN REDUCTION OF HIP FRACTURE	77	3.9	6.3	3.5	10.4	11.4	3.9	16.9	15.1	4.8
PROSTATECTOMY	163	0.6	1.2	1.4	3.7	2.8	2.0	5.5	4.8	3.1
CHOLECYSTECTOMY	98	5.1	2.7	2.2	7.1	5.1	3.6	9.2	6.9	4.6
HYSTERECTOMY	37	0.0	0.6	*	0.0	1.3	*	0.0	1.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

NASSAU-SUFFOLK, NY (5380)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	68,030	10.0	10.5	0.1	15.8	15.8	0.1	19.6	19.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,376	26.9	26.7	0.9	30.8	29.9	1.0	33.7	32.6	1.1
CONGESTIVE HEART FAILURE	3,808	15.5	15.6	0.8	24.6	24.4	0.7	31.1	30.6	0.8
PNEUMONIA/INFLUENZA	2,979	19.5	18.5	0.8	27.6	25.0	1.2	32.2	29.1	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,107	10.9	11.0	1.0	19.3	18.2	1.3	25.1	23.2	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,409	1.6	2.0	0.5	4.6	4.5	0.6	7.8	7.2	0.9
STROKE	2,661	20.9	21.2	1.1	28.3	28.7	0.9	32.9	32.6	0.9
HIP FRACTURE	1,715	6.1	7.2	0.7	12.7	12.5	0.9	17.2	16.1	1.1
SEPSIS	1,039	30.1	29.4	1.6	41.8	37.6	1.7	48.0	42.5	2.2
PROCEDURES:										
ANGIOPLASTY	340	1.2	2.5	1.1	2.9	3.4	1.2	3.5	4.2	1.3
CORONARY ARTERY BYPASS GRAFT	729	3.8	5.9	1.3	6.9	8.4	1.4	8.6	9.5	1.5
INITIAL PACEMAKER INSERTION	663	2.6	3.8	1.0	5.6	7.2	1.5	7.7	10.2	1.6
CAROTID ENDARTERECTOMY	142	2.1	1.9	1.2	2.8	3.5	1.7	2.8	5.0	2.6
HIP REPLACEMENT/RECONSTRUCTION	998	4.1	3.9	0.7	8.4	7.2	1.3	10.6	9.6	1.5
OPEN REDUCTION OF HIP FRACTURE	953	4.2	6.5	1.1	10.3	11.7	1.3	14.8	15.3	1.4
PROSTATECTOMY	2,204	0.7	1.1	0.4	2.2	2.5	0.5	3.3	4.2	0.9
CHOLECYSTECTOMY	1,069	2.3	2.9	0.9	4.7	5.1	1.0	6.2	6.6	1.0
HYSTERECTOMY	515	1.0	0.8	0.5	2.1	1.7	1.1	3.7	2.7	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 376,484

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.51	24.99	0.08	1.06	0.00	4.64	4.39	0.03	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.77	0.01	1.17	0.02					
CONGESTIVE HEART FAILURE	1.75	1.47	0.02	1.19	0.02					
PNEUMONIA/INFLUENZA	1.07	1.01	0.02	1.05	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.49	0.41	0.01	1.20	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.34	0.01	1.37	0.04					
STROKE	0.84	0.82	0.01	1.03	0.02					
HIP FRACTURE	0.53	0.58	0.01	0.92	0.02					
SEPSIS	0.41	0.34	0.01	1.21	0.03					
PROCEDURES:										
ANGIOPLASTY	0.18	0.27	0.01	0.64	0.02					
CORONARY ARTERY BYPASS GRAFT	0.36	0.36	0.01	**	**					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.01	1.20	0.05					
CAROTID ENDARTERECTOMY	0.06	0.09	0.00	0.63	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.42	0.01	0.81	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.03	0.03					
PROSTATECTOMY	0.70	0.70	0.01	1.01	0.02					
CHOLECYSTECTOMY	0.33	0.35	0.01	0.97	0.03					
HYSTERECTOMY	0.16	0.16	0.01	1.01	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

NEW YORK, NY (5600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	205,180	9.2	10.2	0.1	15.2	15.5	0.1	19.4	19.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	6,052	23.6	25.9	0.8	29.0	29.2	0.9	31.8	31.9	0.8
CONGESTIVE HEART FAILURE	10,929	13.4	15.2	0.4	22.4	23.8	0.5	29.5	30.0	0.5
PNEUMONIA/INFLUENZA	8,942	18.0	18.5	0.4	26.3	25.0	0.5	30.9	29.1	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,915	9.5	10.5	0.6	17.6	17.7	0.7	23.0	22.7	0.8
TRANSIENT CEREBRAL ISCHEMIA	2,896	1.8	1.9	0.3	4.6	4.3	0.5	7.3	6.9	0.6
STROKE	7,604	18.7	21.3	0.6	26.8	28.3	0.5	31.4	32.1	0.6
HIP FRACTURE	5,066	6.0	6.9	0.5	11.6	12.2	0.6	15.1	15.7	0.5
SEPSIS	2,787	30.3	29.8	1.3	43.7	38.6	1.7	50.5	43.5	2.5
PROCEDURES:										
ANGIOPLASTY	784	1.4	2.8	0.7	2.8	3.8	0.8	4.0	4.7	1.0
CORONARY ARTERY BYPASS GRAFT	1,810	4.8	5.8	1.0	7.3	8.6	0.9	8.8	9.9	0.9
INITIAL PACEMAKER INSERTION	1,499	4.1	3.7	0.6	8.8	7.2	1.1	12.3	10.3	1.3
CAROTID ENDARTERECTOMY	342	0.9	1.4	0.8	2.6	2.6	0.9	3.2	3.8	1.2
HIP REPLACEMENT/RECONSTRUCTION	3,181	2.8	3.4	0.4	6.1	6.3	0.6	8.1	8.4	0.5
OPEN REDUCTION OF HIP FRACTURE	2,961	5.3	6.4	0.6	10.7	11.7	0.8	14.2	15.3	0.8
PROSTATECTOMY	6,869	0.9	1.2	0.3	2.9	2.7	0.2	4.7	4.5	0.3
CHOLECYSTECTOMY	2,618	3.8	3.4	0.7	7.0	6.4	0.6	9.4	8.5	0.7
HYSTERECTOMY	1,244	1.4	0.9	1.0	3.0	2.1	1.8	4.6	3.2	2.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,201,724

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.39	27.61	0.05	0.96	0.00	4.86	4.95	0.02	0.98	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.80	0.01	0.99	0.01					
CONGESTIVE HEART FAILURE	1.72	1.76	0.01	0.98	0.01					
PNEUMONIA/INFLUENZA	1.16	1.19	0.01	0.98	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.45	0.01	0.96	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.36	0.00	0.97	0.01					
STROKE	0.88	0.97	0.01	0.91	0.01					
HIP FRACTURE	0.57	0.64	0.01	0.90	0.01					
SEPSIS	0.40	0.41	0.01	0.96	0.01					
PROCEDURES:										
ANGIOPLASTY	0.13	0.24	0.00	0.54	0.01					
CORONARY ARTERY BYPASS GRAFT	0.24	0.32	0.00	0.77	0.01					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.00	0.86	0.02					
CAROTID ENDARTERECTOMY	0.04	0.09	0.00	0.43	0.01					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.43	0.01	0.74	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.32	0.00	1.04	0.02					
PROSTATECTOMY	0.72	0.68	0.01	1.06	0.01					
CHOLECYSTECTOMY	0.28	0.36	0.00	0.79	0.01					
HYSTERECTOMY	0.13	0.17	0.00	0.75	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

NIAGARA FALL, NY (5700)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,018	9.3	9.6	0.4	14.5	14.5	0.5	17.8	18.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	260	25.8	28.8	4.0	29.2	32.0	3.7	32.3	34.8	3.8
CONGESTIVE HEART FAILURE	395	12.4	15.4	3.3	20.5	24.1	3.8	26.8	30.5	3.7
PNEUMONIA/INFLUENZA	296	18.2	17.5	2.3	27.4	23.9	3.4	31.4	27.9	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	164	5.5	8.5	3.7	12.8	14.9	3.7	17.1	19.7	3.6
TRANSIENT CEREBRAL ISCHEMIA	215	2.3	1.8	1.0	3.7	4.2	1.4	4.7	6.9	2.2
STROKE	314	25.8	21.1	3.3	32.8	28.4	3.6	36.6	32.3	3.4
HIP FRACTURE	159	7.5	7.0	3.0	11.9	12.5	3.1	15.7	16.2	3.6
SEPSIS	61	21.3	28.3	7.9	36.1	36.2	6.6	44.3	41.0	7.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	94	3.2	3.1	2.3	3.2	6.1	3.1	5.3	8.9	4.1
CAROTID ENDARTERECTOMY	32	0.0	1.8	*	0.0	3.4	*	0.0	4.9	*
HIP REPLACEMENT/RECONSTRUCTION	117	3.4	3.2	2.4	4.3	5.9	3.3	6.0	8.0	3.9
OPEN REDUCTION OF HIP FRACTURE	81	7.4	6.5	2.9	11.1	11.8	3.9	17.3	15.5	4.3
PROSTATECTOMY	271	0.7	1.1	0.7	1.8	2.6	1.4	3.0	4.3	2.1
CHOLECYSTECTOMY	111	2.7	3.3	1.8	6.3	6.0	2.6	7.2	7.7	2.7
HYSTERECTOMY	60	3.3	0.4	2.3	3.3	0.8	2.0	3.3	1.4	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 37,973

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.30	27.48	0.27	1.14	0.01	4.66	4.45	0.11	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.18	0.90	0.05	1.32	0.07					
CONGESTIVE HEART FAILURE	1.83	1.67	0.07	1.10	0.04					
PNEUMONIA/INFLUENZA	1.17	1.23	0.06	0.95	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.80	0.54	0.04	1.47	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.77	0.38	0.03	2.04	0.17					
STROKE	1.08	0.89	0.05	1.21	0.07					
HIP FRACTURE	0.53	0.58	0.04	0.91	0.06					
SEPSIS	0.24	0.35	0.03	0.68	0.06					
PROCEDURES:										
ANGIOPLASTY	0.17	0.31	0.03	0.54	0.05					
CORONARY ARTERY BYPASS GRAFT	0.43	0.42	0.03	1.03	0.08					
INITIAL PACEMAKER INSERTION	0.38	0.20	0.02	1.88	0.21					
CAROTID ENDARTERECTOMY	0.14	0.14	0.02	**	**					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.45	0.03	1.01	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.28	0.03	0.89	0.09					
PROSTATECTOMY	0.92	0.75	0.04	1.22	0.07					
CHOLECYSTECTOMY	0.39	0.46	0.03	0.85	0.06					
HYSTERECTOMY	0.19	0.18	0.02	1.04	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

ORANGE COUNTY, NY (5950)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	7,884	8.9	10.1	0.5	14.2	15.2	0.5	18.0	18.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	279	29.0	27.8	4.3	31.5	30.7	4.1	35.1	33.4	4.0
CONGESTIVE HEART FAILURE	489	17.4	15.1	2.9	26.2	23.8	3.8	33.1	30.1	4.1
PNEUMONIA/INFLUENZA	552	13.4	16.5	2.9	19.4	22.5	3.0	23.9	26.4	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	167	7.2	9.4	3.6	13.8	16.5	4.4	21.0	21.6	4.8
TRANSIENT CEREBRAL ISCHEMIA	178	2.8	1.9	1.6	4.5	4.2	2.9	7.9	6.7	3.2
STROKE	315	16.5	20.1	3.7	23.5	27.3	3.7	27.9	31.2	3.7
HIP FRACTURE	196	4.6	7.0	2.7	8.7	12.3	3.6	11.7	15.8	3.5
SEPSIS	101	19.8	27.0	6.5	25.7	34.3	7.0	34.7	38.9	8.6
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	61	4.9	3.2	2.7	8.2	6.2	3.6	9.8	9.1	4.2
CAROTID ENDARTERECTOMY	24	4.2	1.6	*	8.3	3.0	*	8.3	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	126	1.6	4.3	2.8	5.6	8.0	3.8	7.1	10.5	3.6
OPEN REDUCTION OF HIP FRACTURE	90	4.4	6.9	4.0	6.7	12.2	5.8	8.9	15.6	6.5
PROSTATECTOMY	231	2.2	1.1	1.6	3.9	2.5	2.4	4.3	4.3	2.2
CHOLECYSTECTOMY	111	0.9	2.9	2.4	3.6	5.2	3.3	3.6	6.9	3.5
HYSTERECTOMY	34	2.9	0.2	*	2.9	0.4	*	2.9	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 37,350

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	31.56	26.24	0.26	1.20	0.01	4.96	4.67	0.11	1.06	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.06	0.80	0.05	1.32	0.08					
CONGESTIVE HEART FAILURE	2.05	1.59	0.06	1.29	0.05					
PNEUMONIA/INFLUENZA	1.97	1.13	0.05	1.75	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.69	0.46	0.03	1.51	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.59	0.34	0.03	1.76	0.16					
STROKE	0.96	0.85	0.05	1.12	0.06					
HIP FRACTURE	0.57	0.61	0.04	0.93	0.06					
SEPSIS	0.37	0.36	0.03	1.04	0.09					
PROCEDURES:										
ANGIOPLASTY	0.13	0.29	0.03	0.44	0.04					
CORONARY ARTERY BYPASS GRAFT	0.29	0.37	0.03	0.79	0.07					
INITIAL PACEMAKER INSERTION	0.26	0.19	0.02	1.36	0.16					
CAROTID ENDARTERECTOMY	0.14	0.11	0.02	1.24	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.44	0.03	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.03	0.84	0.08					
PROSTATECTOMY	0.70	0.69	0.04	1.03	0.06					
CHOLECYSTECTOMY	0.36	0.39	0.03	0.92	0.08					
HYSTERECTOMY	0.12	0.17	0.02	0.73	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

POUGHKEEPSIE, NY (6460)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,187	10.2	10.2	0.5	15.7	15.4	0.5	19.5	19.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	187	22.5	25.5	3.8	29.4	28.4	3.5	29.9	31.0	4.6
CONGESTIVE HEART FAILURE	309	14.2	14.9	2.2	21.7	23.1	3.0	30.1	29.1	2.7
PNEUMONIA/INFLUENZA	366	19.1	16.7	2.5	26.0	22.7	3.0	30.3	26.7	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	83	4.8	8.1	5.3	7.2	14.0	6.5	12.0	18.2	6.5
TRANSIENT CEREBRAL ISCHEMIA	98	4.1	2.0	2.4	5.1	4.4	3.0	6.1	7.0	3.8
STROKE	193	26.9	19.8	4.4	34.2	26.7	4.7	37.3	30.4	4.7
HIP FRACTURE	146	6.2	6.1	2.2	9.6	10.9	2.9	13.0	14.1	3.6
SEPSIS	99	19.2	28.3	7.2	26.3	36.5	7.7	33.3	41.4	7.2
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	41	0.0	2.9	*	4.9	5.7	*	7.3	8.3	*
CAROTID ENDARTERECTOMY	5	0.0	0.9	*	20.0	1.7	*	20.0	2.6	*
HIP REPLACEMENT/RECONSTRUCTION	92	0.0	3.6	3.6	6.5	6.9	4.1	8.7	9.4	4.3
OPEN REDUCTION OF HIP FRACTURE	83	7.2	5.8	3.0	9.6	10.6	3.5	10.8	13.9	4.7
PROSTATECTOMY	186	1.6	1.3	0.9	4.8	3.0	2.0	7.5	5.1	2.6
CHOLECYSTECTOMY	94	5.3	4.1	2.5	8.5	7.2	2.9	11.7	9.1	3.7
HYSTERECTOMY	32	0.0	0.6	*	0.0	1.5	*	3.1	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 35,695

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.73	26.34	0.27	1.01	0.01	4.71	4.66	0.11	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.79	0.05	1.09	0.07					
CONGESTIVE HEART FAILURE	1.75	1.58	0.07	1.11	0.05					
PNEUMONIA/INFLUENZA	1.56	1.16	0.06	1.36	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.51	0.47	0.04	1.17	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.34	0.03	1.35	0.13					
STROKE	0.82	0.85	0.05	0.97	0.06					
HIP FRACTURE	0.64	0.61	0.04	1.04	0.07					
SEPSIS	0.43	0.35	0.03	1.27	0.12					
PROCEDURES:										
ANGIOPLASTY	0.09	0.27	0.03	0.36	0.04					
CORONARY ARTERY BYPASS GRAFT	0.29	0.36	0.03	0.81	0.08					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.02	0.96	0.13					
CAROTID ENDARTERECTOMY	0.06	0.10	0.02	0.73	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.43	0.03	0.85	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.30	0.03	1.23	0.13					
PROSTATECTOMY	0.81	0.67	0.04	1.23	0.08					
CHOLECYSTECTOMY	0.37	0.39	0.03	0.96	0.09					
HYSTERECTOMY	0.14	0.17	0.02	0.76	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

ROCHESTER, NY (6840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22,642	8.9	9.5	0.3	13.8	14.5	0.3	17.4	18.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	836	27.6	26.6	2.0	32.3	30.0	2.5	35.3	32.8	2.8
CONGESTIVE HEART FAILURE	1,225	14.4	15.3	1.4	23.8	24.3	1.3	31.2	30.6	1.4
PNEUMONIA/INFLUENZA	953	15.3	16.9	1.9	22.4	23.1	2.2	26.5	27.1	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	298	8.1	8.7	2.2	13.4	15.1	3.1	19.1	20.0	3.0
TRANSIENT CEREBRAL ISCHEMIA	235	0.9	1.8	1.6	3.8	4.0	1.9	6.0	6.4	3.2
STROKE	848	19.2	20.6	1.5	25.0	28.0	2.0	30.2	31.9	1.9
HIP FRACTURE	690	6.5	6.6	1.3	11.6	11.9	1.6	14.2	15.4	1.8
SEPSIS	229	22.3	24.0	4.1	28.4	32.0	4.1	32.8	36.7	4.5
PROCEDURES:										
ANGIOPLASTY	51	0.0	1.7	2.5	0.0	2.4	3.1	0.0	3.1	3.8
CORONARY ARTERY BYPASS GRAFT	309	6.5	6.1	1.8	8.1	9.0	1.9	9.4	10.2	2.2
INITIAL PACEMAKER INSERTION	173	1.7	3.8	1.9	4.6	7.3	2.8	6.9	10.4	3.3
CAROTID ENDARTERECTOMY	162	0.6	1.5	1.2	1.9	2.8	1.5	3.7	4.1	1.7
HIP REPLACEMENT/RECONSTRUCTION	485	4.1	3.0	1.0	7.8	5.8	1.5	9.3	7.8	2.0
OPEN REDUCTION OF HIP FRACTURE	298	6.4	6.4	1.4	11.1	11.9	2.0	13.4	15.7	2.6
PROSTATECTOMY	795	1.1	1.1	0.4	2.9	2.5	0.7	5.3	4.3	1.0
CHOLECYSTECTOMY	448	1.8	2.9	1.0	2.9	5.5	1.6	5.1	7.4	1.7
HYSTERECTOMY	187	1.1	1.0	0.9	2.7	2.2	1.6	3.2	3.5	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 145,649

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.40	27.66	0.14	0.77	0.00	4.51	4.72	0.06	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.85	0.02	0.96	0.03					
CONGESTIVE HEART FAILURE	1.48	1.69	0.03	0.88	0.02					
PNEUMONIA/INFLUENZA	0.95	1.29	0.03	0.73	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.51	0.02	0.69	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.36	0.02	0.57	0.03					
STROKE	0.73	0.90	0.02	0.82	0.02					
HIP FRACTURE	0.55	0.64	0.02	0.85	0.03					
SEPSIS	0.24	0.36	0.02	0.65	0.03					
PROCEDURES:										
ANGIOPLASTY	0.06	0.28	0.01	0.24	0.01					
CORONARY ARTERY BYPASS GRAFT	0.33	0.37	0.02	0.91	0.04					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.77	0.05					
CAROTID ENDARTERECTOMY	0.12	0.11	0.01	1.06	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.45	0.02	0.77	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.30	0.01	0.80	0.04					
PROSTATECTOMY	0.63	0.70	0.02	0.89	0.03					
CHOLECYSTECTOMY	0.33	0.42	0.02	0.77	0.03					
HYSTERECTOMY	0.12	0.18	0.01	0.68	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

SYRACUSE, NY (8160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	16,019	8.8	9.5	0.4	13.7	14.4	0.3	17.4	18.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	500	29.2	26.5	2.4	33.6	29.4	2.9	37.0	32.0	3.3
CONGESTIVE HEART FAILURE	841	14.1	15.2	2.2	22.8	23.9	1.7	29.1	30.2	1.8
PNEUMONIA/INFLUENZA	670	17.2	17.2	1.6	23.3	23.7	1.7	26.4	27.7	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	232	9.5	7.3	2.6	12.9	12.8	3.4	18.5	17.0	3.0
TRANSIENT CEREBRAL ISCHEMIA	203	2.5	1.9	1.3	6.4	4.2	2.1	9.4	6.8	2.6
STROKE	542	19.4	22.2	2.7	27.3	29.2	2.4	31.0	32.9	2.6
HIP FRACTURE	446	5.4	7.0	1.9	10.8	12.4	2.7	13.9	16.0	2.3
SEPSIS	181	23.2	24.7	3.4	32.6	32.4	3.5	36.5	37.0	3.6
PROCEDURES:										
ANGIOPLASTY	169	3.0	2.3	1.4	3.0	3.1	1.4	3.6	3.9	1.7
CORONARY ARTERY BYPASS GRAFT	254	3.5	4.6	2.1	4.7	6.8	1.8	6.7	7.8	1.7
INITIAL PACEMAKER INSERTION	124	2.4	4.1	2.6	4.8	7.3	3.7	7.3	10.1	4.6
CAROTID ENDARTERECTOMY	121	3.3	1.6	1.6	5.0	2.9	2.5	7.4	4.2	3.5
HIP REPLACEMENT/RECONSTRUCTION	392	2.6	3.1	1.0	5.9	5.7	1.2	7.1	7.6	1.5
OPEN REDUCTION OF HIP FRACTURE	216	3.2	6.6	2.3	6.9	12.0	3.1	11.1	15.8	3.3
PROSTATECTOMY	501	0.2	1.0	0.8	1.0	2.5	1.3	2.0	4.3	2.0
CHOLECYSTECTOMY	282	1.8	3.4	1.4	2.5	5.9	1.8	4.3	7.7	1.9
HYSTERECTOMY	146	0.0	1.0	0.9	1.4	2.4	1.6	1.4	3.8	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 93,897

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	23.26	27.39	0.17	0.85	0.00	4.76	4.62	0.07	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.87	0.03	0.90	0.03					
CONGESTIVE HEART FAILURE	1.60	1.66	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	1.02	1.23	0.04	0.83	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.52	0.02	0.75	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.37	0.02	0.77	0.04					
STROKE	0.75	0.88	0.03	0.84	0.03					
HIP FRACTURE	0.58	0.62	0.03	0.95	0.04					
SEPSIS	0.28	0.35	0.02	0.81	0.05					
PROCEDURES:										
ANGIOPLASTY	0.17	0.29	0.02	0.56	0.03					
CORONARY ARTERY BYPASS GRAFT	0.29	0.39	0.02	0.75	0.04					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.85	0.06					
CAROTID ENDARTERECTOMY	0.15	0.13	0.01	1.17	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.45	0.02	1.00	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.02	0.89	0.05					
PROSTATECTOMY	0.65	0.71	0.03	0.92	0.04					
CHOLECYSTECTOMY	0.36	0.43	0.02	0.83	0.04					
HYSTERECTOMY	0.17	0.18	0.01	0.94	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

UTICA-ROME, NY (8680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,336	9.5	9.6	0.5	14.6	14.6	0.4	18.2	18.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	313	28.4	28.0	2.6	32.9	30.8	2.9	35.5	33.4	3.1
CONGESTIVE HEART FAILURE	620	16.6	15.1	1.9	25.0	23.7	2.3	31.6	30.0	2.3
PNEUMONIA/INFLUENZA	441	15.2	17.1	2.5	22.2	23.3	2.3	25.4	27.3	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	252	8.7	7.4	3.5	15.1	13.0	4.7	19.8	17.4	5.0
TRANSIENT CEREBRAL ISCHEMIA	192	2.1	2.2	1.4	3.1	4.8	1.9	4.7	7.6	2.6
STROKE	325	20.9	21.3	2.4	29.5	28.5	2.6	34.5	32.4	3.0
HIP FRACTURE	246	5.7	7.2	2.7	9.3	12.8	3.5	14.2	16.5	3.5
SEPSIS	89	23.6	26.9	7.4	30.3	33.6	9.2	37.1	38.1	9.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	54	0.0	2.6	3.2	0.0	5.1	5.4	1.9	7.4	5.9
CAROTID ENDARTERECTOMY	41	7.3	1.8	*	7.3	3.5	*	7.3	5.3	*
HIP REPLACEMENT/RECONSTRUCTION	135	3.0	4.5	2.7	5.9	7.8	3.6	8.9	10.2	3.5
OPEN REDUCTION OF HIP FRACTURE	106	3.8	6.8	4.1	6.6	12.4	5.8	12.3	16.3	5.6
PROSTATECTOMY	369	0.5	1.1	0.7	1.9	2.4	0.9	3.5	4.0	1.3
CHOLECYSTECTOMY	182	1.6	2.7	1.5	4.9	4.7	1.6	6.6	6.1	2.1
HYSTERECTOMY	90	0.0	0.2	*	0.0	0.5	*	0.0	0.9	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 58,084

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.11	28.54	0.22	0.95	0.01	4.88	4.69	0.09	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.93	0.04	0.97	0.04					
CONGESTIVE HEART FAILURE	1.96	1.73	0.05	1.13	0.04					
PNEUMONIA/INFLUENZA	1.18	1.39	0.05	0.85	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.74	0.58	0.03	1.26	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.39	0.03	1.26	0.08					
STROKE	0.79	0.91	0.04	0.87	0.04					
HIP FRACTURE	0.56	0.64	0.03	0.88	0.05					
SEPSIS	0.29	0.36	0.02	0.81	0.06					
PROCEDURES:										
ANGIOPLASTY	0.25	0.30	0.02	0.82	0.06					
CORONARY ARTERY BYPASS GRAFT	0.37	0.39	0.03	0.95	0.06					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.79	0.07					
CAROTID ENDARTERECTOMY	0.13	0.14	0.02	0.95	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.47	0.03	0.79	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.30	0.02	0.80	0.06					
PROSTATECTOMY	0.83	0.72	0.03	1.15	0.06					
CHOLECYSTECTOMY	0.43	0.48	0.03	0.91	0.05					
HYSTERECTOMY	0.20	0.18	0.02	1.08	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

NY-(NONMSA) (99NY)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	41,940	9.0	9.7	0.2	14.2	14.6	0.3	17.8	18.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,491	24.1	26.5	1.9	28.5	29.5	2.2	31.3	32.2	1.9
CONGESTIVE HEART FAILURE	2,504	15.5	15.4	0.8	24.2	24.2	0.9	30.8	30.5	1.3
PNEUMONIA/INFLUENZA	2,598	13.0	16.0	1.0	19.7	22.0	1.0	24.0	25.9	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,111	8.7	8.9	1.2	16.9	15.4	1.9	21.9	20.3	1.6
TRANSIENT CEREBRAL ISCHEMIA	739	2.8	2.0	0.9	4.7	4.5	1.1	7.7	7.4	1.5
STROKE	1,514	19.7	20.6	1.4	27.5	27.8	1.4	31.9	31.7	1.6
HIP FRACTURE	1,029	6.1	6.8	0.9	12.0	12.1	1.1	14.5	15.7	1.4
SEPSIS	400	25.0	26.7	2.5	32.0	34.4	3.4	36.7	39.0	3.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	273	2.9	3.9	2.2	5.5	7.4	2.7	8.4	10.4	2.7
CAROTID ENDARTERECTOMY	92	2.2	1.6	2.0	3.3	3.0	2.4	5.4	4.4	2.6
HIP REPLACEMENT/RECONSTRUCTION	668	3.4	3.3	0.8	6.4	6.3	1.0	8.4	8.4	1.1
OPEN REDUCTION OF HIP FRACTURE	538	7.1	6.4	1.4	13.0	11.8	2.1	15.8	15.5	2.1
PROSTATECTOMY	1,253	0.9	1.3	0.5	2.5	3.1	0.7	4.7	5.1	0.8
CHOLECYSTECTOMY	726	3.2	3.0	0.9	6.1	5.4	1.1	7.7	7.1	1.1
HYSTERECTOMY	274	0.7	0.7	0.7	1.8	1.7	1.3	2.9	2.6	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 274,754

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.98	28.46	0.10	1.09	0.00	4.86	4.68	0.04	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.93	0.02	1.11	0.02					
CONGESTIVE HEART FAILURE	2.04	1.69	0.02	1.20	0.02					
PNEUMONIA/INFLUENZA	1.61	1.42	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.84	0.56	0.01	1.48	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.38	0.01	1.21	0.04					
STROKE	0.89	0.91	0.02	0.98	0.02					
HIP FRACTURE	0.58	0.63	0.01	0.93	0.02					
SEPSIS	0.30	0.34	0.01	0.85	0.03					
PROCEDURES:										
ANGIOPLASTY	0.15	0.29	0.01	0.54	0.02					
CORONARY ARTERY BYPASS GRAFT	0.36	0.39	0.01	0.93	0.03					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	1.01	0.05					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.76	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.48	0.01	0.92	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.30	0.01	0.97	0.04					
PROSTATECTOMY	0.77	0.76	0.02	1.01	0.02					
CHOLECYSTECTOMY	0.44	0.48	0.01	0.92	0.03					
HYSTERECTOMY	0.18	0.18	0.01	**	**					

** QUANTITIES COULD NOT BE ESTIMATED

AKRON, OH (0080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	19,585	8.7	9.5	0.3	13.7	14.3	0.4	17.2	17.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	606	24.8	27.7	2.8	28.4	30.7	2.7	31.2	33.4	2.9
CONGESTIVE HEART FAILURE	1,032	15.5	14.8	1.6	24.4	23.3	2.4	31.8	29.4	2.9
PNEUMONIA/INFLUENZA	895	15.5	16.9	1.5	21.1	23.2	2.0	25.8	27.2	2.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	362	7.5	8.5	2.0	13.8	14.7	2.9	18.8	19.2	3.9
TRANSIENT CEREBRAL ISCHEMIA	314	1.6	1.9	0.8	5.1	4.2	1.4	8.0	6.7	1.9
STROKE	688	18.6	21.6	2.5	26.2	28.5	2.5	29.4	32.4	2.7
HIP FRACTURE	448	6.9	7.5	1.5	11.8	13.1	2.5	14.7	17.0	3.2
SEPSIS	259	24.3	26.4	5.1	30.5	34.9	4.5	36.3	40.0	4.5
PROCEDURES:										
ANGIOPLASTY	214	1.9	3.0	1.3	3.7	4.0	1.4	5.1	4.9	1.6
CORONARY ARTERY BYPASS GRAFT	372	5.6	5.5	1.6	7.5	7.6	1.5	8.6	8.5	1.5
INITIAL PACEMAKER INSERTION	139	2.2	3.8	2.3	2.9	7.1	3.2	4.3	10.0	3.8
CAROTID ENDARTERECTOMY	96	2.1	1.3	1.3	3.1	2.5	2.0	5.2	3.6	2.8
HIP REPLACEMENT/RECONSTRUCTION	358	2.8	3.6	1.5	5.0	6.5	2.1	7.0	8.6	2.3
OPEN REDUCTION OF HIP FRACTURE	158	5.7	7.1	2.4	12.0	12.9	4.9	13.9	16.8	5.7
PROSTATECTOMY	457	1.3	1.0	0.5	3.1	2.2	1.0	4.2	3.8	1.1
CHOLECYSTECTOMY	395	1.0	2.9	1.2	4.1	5.3	1.7	5.3	7.0	1.8
HYSTERECTOMY	130	0.0	0.8	0.9	2.3	1.7	2.0	2.3	2.7	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 94,058

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.66	28.93	0.17	1.16	0.01	4.85	4.61	0.07	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.91	0.03	1.10	0.04					
CONGESTIVE HEART FAILURE	2.13	1.79	0.04	1.19	0.03					
PNEUMONIA/INFLUENZA	1.50	1.33	0.04	1.13	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.58	0.02	1.28	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.41	0.02	1.14	0.06					
STROKE	1.04	0.94	0.03	1.11	0.04					
HIP FRACTURE	0.63	0.59	0.02	1.06	0.04					
SEPSIS	0.47	0.38	0.02	1.24	0.07					
PROCEDURES:										
ANGIOPLASTY	0.33	0.30	0.02	1.14	0.07					
CORONARY ARTERY BYPASS GRAFT	0.60	0.40	0.02	1.50	0.08					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.01	1.12	0.08					
CAROTID ENDARTERECTOMY	0.17	0.13	0.01	1.19	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.44	0.02	1.13	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.02	0.76	0.05					
PROSTATECTOMY	0.65	0.73	0.03	0.88	0.03					
CHOLECYSTECTOMY	0.51	0.46	0.02	1.10	0.05					
HYSTERECTOMY	0.19	0.18	0.01	0.99	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

CANTON, OH (1320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,121	9.9	9.0	0.4	14.6	13.6	0.4	17.6	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	476	27.7	25.6	2.7	32.4	28.5	3.2	34.0	31.1	3.1
CONGESTIVE HEART FAILURE	636	17.8	14.0	2.1	25.8	22.1	2.3	33.6	28.2	2.9
PNEUMONIA/INFLUENZA	550	19.3	16.5	2.6	24.9	22.5	2.7	28.2	26.4	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	306	9.8	8.9	1.8	15.0	15.2	2.1	18.3	19.9	2.7
TRANSIENT CEREBRAL ISCHEMIA	200	1.0	1.9	1.4	2.0	4.2	2.2	4.5	6.7	2.5
STROKE	458	20.7	20.4	1.9	26.6	26.6	2.1	29.5	30.3	2.3
HIP FRACTURE	317	7.3	6.7	1.5	9.8	11.9	2.5	12.9	15.5	3.1
SEPSIS	125	28.0	25.2	5.4	36.8	32.5	6.0	41.6	36.9	6.1
PROCEDURES:										
ANGIOPLASTY	72	4.2	5.5	3.2	5.6	6.7	3.3	8.3	7.8	3.3
CORONARY ARTERY BYPASS GRAFT	133	7.5	6.5	3.5	12.0	8.9	5.0	13.5	9.9	5.6
INITIAL PACEMAKER INSERTION	96	3.1	3.0	2.2	7.3	5.8	2.7	8.3	8.5	2.9
CAROTID ENDARTERECTOMY	62	1.6	1.8	1.7	1.6	3.2	2.6	4.8	4.5	2.8
HIP REPLACEMENT/RECONSTRUCTION	240	4.2	3.4	1.4	6.7	6.4	1.6	9.2	8.6	1.9
OPEN REDUCTION OF HIP FRACTURE	151	5.3	5.9	2.0	8.6	10.8	2.8	9.9	14.4	3.9
PROSTATECTOMY	437	1.8	0.9	1.0	2.3	2.2	0.7	3.7	3.7	0.9
CHOLECYSTECTOMY	265	2.6	2.4	1.0	4.5	4.4	1.3	5.3	5.8	1.5
HYSTERECTOMY	89	1.1	0.6	1.0	1.1	1.3	1.3	1.1	2.0	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 67,394

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.76	29.20	0.21	0.95	0.01	4.67	4.53	0.08	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.96	0.95	0.04	1.01	0.04					
CONGESTIVE HEART FAILURE	1.74	1.78	0.05	0.98	0.03					
PNEUMONIA/INFLUENZA	1.16	1.40	0.05	0.84	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.62	0.03	1.17	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.41	0.02	0.97	0.06					
STROKE	0.89	0.94	0.04	0.94	0.04					
HIP FRACTURE	0.57	0.60	0.03	0.96	0.05					
SEPSIS	0.26	0.36	0.02	0.73	0.05					
PROCEDURES:										
ANGIOPLASTY	0.25	0.30	0.02	0.90	0.06					
CORONARY ARTERY BYPASS GRAFT	0.41	0.42	0.02	0.95	0.06					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.85	0.08					
CAROTID ENDARTERECTOMY	0.12	0.14	0.01	0.86	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.45	0.03	0.90	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.28	0.02	0.93	0.07					
PROSTATECTOMY	0.77	0.76	0.03	1.02	0.05					
CHOLECYSTECTOMY	0.44	0.49	0.03	0.89	0.05					
HYSTERECTOMY	0.14	0.19	0.02	0.80	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

CINCINNATI, OH-KY-IN (1640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	43,041	8.6	9.0	0.2	13.6	13.8	0.3	16.9	17.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,190	25.3	25.6	1.3	28.5	28.6	1.4	30.8	31.2	1.6
CONGESTIVE HEART FAILURE	2,224	14.6	14.4	0.9	22.8	22.7	0.9	29.1	28.9	1.2
PNEUMONIA/INFLUENZA	2,459	15.5	16.9	1.2	21.8	23.0	1.6	26.5	27.0	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	838	8.6	7.3	1.4	14.0	12.9	2.1	19.2	17.3	2.1
TRANSIENT CEREBRAL ISCHEMIA	711	1.4	1.8	0.6	3.8	4.0	0.8	6.2	6.4	0.9
STROKE	1,486	17.6	20.0	1.6	24.5	26.6	1.7	28.2	30.4	1.7
HIP FRACTURE	1,009	5.9	6.6	1.3	9.1	11.7	1.5	11.8	15.2	1.7
SEPSIS	471	22.5	26.1	2.5	33.5	34.0	2.4	38.0	38.7	2.4
PROCEDURES:										
ANGIOPLASTY	457	2.0	2.5	0.8	3.3	3.5	0.9	3.3	4.4	1.1
CORONARY ARTERY BYPASS GRAFT	648	2.9	5.3	1.4	4.2	7.3	1.4	5.4	8.3	1.4
INITIAL PACEMAKER INSERTION	412	3.2	3.5	1.5	7.0	6.7	2.1	8.7	9.6	2.0
CAROTID ENDARTERECTOMY	259	2.7	1.4	1.3	3.9	2.6	1.4	5.0	3.8	1.5
HIP REPLACEMENT/RECONSTRUCTION	720	2.4	3.5	1.0	4.6	6.4	1.4	6.4	8.7	1.6
OPEN REDUCTION OF HIP FRACTURE	339	6.5	6.1	1.8	9.4	11.3	2.5	12.4	15.0	3.5
PROSTATECTOMY	1,182	0.6	1.0	0.5	2.8	2.4	0.7	4.0	4.1	0.6
CHOLECYSTECTOMY	798	2.3	2.9	0.7	6.0	5.3	1.1	8.1	7.0	1.3
HYSTERECTOMY	346	0.0	0.7	0.5	1.2	1.5	1.0	1.2	2.5	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 202,834

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.37	28.89	0.12	1.09	0.00	4.93	4.75	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.87	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	2.00	1.81	0.03	1.10	0.02					
PNEUMONIA/INFLUENZA	1.80	1.30	0.02	1.38	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.56	0.02	1.30	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.40	0.01	1.15	0.04					
STROKE	1.01	0.95	0.02	1.06	0.02					
HIP FRACTURE	0.65	0.61	0.02	1.07	0.03					
SEPSIS	0.37	0.39	0.01	0.94	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.27	0.01	1.02	0.04					
CORONARY ARTERY BYPASS GRAFT	0.44	0.37	0.01	1.19	0.04					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.41	0.07					
CAROTID ENDARTERECTOMY	0.18	0.12	0.01	1.52	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.43	0.01	0.97	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.29	0.01	0.79	0.03					
PROSTATECTOMY	0.70	0.68	0.02	1.01	0.03					
CHOLECYSTECTOMY	0.49	0.43	0.01	1.14	0.04					
HYSTERECTOMY	0.20	0.18	0.01	1.15	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

CLEVELAND, OH (1680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	65,422	8.6	9.3	0.1	13.4	14.2	0.2	16.9	17.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,661	26.8	27.2	1.1	30.8	30.0	1.2	33.0	32.6	1.2
CONGESTIVE HEART FAILURE	4,111	13.8	15.0	0.8	22.4	23.6	1.0	28.9	29.9	1.2
PNEUMONIA/INFLUENZA	2,149	16.9	17.1	1.0	22.9	23.2	1.0	27.5	27.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,324	8.2	10.3	1.1	14.7	17.3	1.5	20.5	22.4	2.1
TRANSIENT CEREBRAL ISCHEMIA	1,083	1.1	1.8	0.5	3.0	4.0	0.8	4.7	6.4	1.1
STROKE	2,339	16.8	20.3	1.1	23.9	26.8	1.1	27.1	30.5	1.2
HIP FRACTURE	1,233	6.7	7.2	0.8	11.0	12.6	1.4	14.4	16.2	1.7
SEPSIS	570	25.3	27.3	2.9	33.2	36.0	3.5	39.1	40.9	3.8
PROCEDURES:										
ANGIOPLASTY	557	1.4	2.5	0.9	1.6	3.3	1.2	2.5	4.2	1.4
CORONARY ARTERY BYPASS GRAFT	1,161	6.5	5.7	0.9	8.8	8.0	1.0	10.1	9.0	1.1
INITIAL PACEMAKER INSERTION	533	3.8	3.1	1.6	7.1	6.0	1.8	8.8	8.7	1.2
CAROTID ENDARTERECTOMY	501	0.8	1.6	0.8	1.8	3.0	1.1	3.2	4.4	1.2
HIP REPLACEMENT/RECONSTRUCTION	1,168	2.7	3.0	0.7	4.3	5.5	1.3	6.7	7.3	1.3
OPEN REDUCTION OF HIP FRACTURE	580	5.9	6.8	1.3	10.9	12.3	2.3	13.4	16.0	2.6
PROSTATECTOMY	1,701	1.1	1.1	0.3	2.6	2.5	0.5	3.7	4.2	0.6
CHOLECYSTECTOMY	1,054	2.8	2.9	0.6	5.5	5.5	0.7	7.6	7.4	1.1
HYSTERECTOMY	500	0.2	0.6	0.4	1.0	1.4	0.6	2.2	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 302,584

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.22	28.19	0.10	1.11	0.00	4.76	4.71	0.04	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.83	0.02	0.99	0.02					
CONGESTIVE HEART FAILURE	2.49	1.79	0.02	1.39	0.02					
PNEUMONIA/INFLUENZA	1.11	1.16	0.02	0.96	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.79	0.50	0.01	1.59	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.39	0.01	1.22	0.04					
STROKE	1.07	0.96	0.02	1.11	0.02					
HIP FRACTURE	0.54	0.58	0.01	0.94	0.02					
SEPSIS	0.33	0.42	0.01	0.79	0.02					
PROCEDURES:										
ANGIOPLASTY	0.22	0.30	0.01	0.74	0.02					
CORONARY ARTERY BYPASS GRAFT	0.41	0.39	0.01	1.05	0.03					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.09	0.04					
CAROTID ENDARTERECTOMY	0.20	0.13	0.01	1.61	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.41	0.01	1.03	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.01	0.87	0.03					
PROSTATECTOMY	0.69	0.72	0.01	0.96	0.02					
CHOLECYSTECTOMY	0.41	0.41	0.01	0.98	0.03					
HYSTERECTOMY	0.18	0.17	0.01	1.05	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBUS, OH (1840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	36,139	8.6	8.9	0.2	13.4	13.3	0.2	16.7	16.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,204	26.2	25.8	1.3	31.0	28.7	1.8	33.1	31.4	1.6
CONGESTIVE HEART FAILURE	1,749	13.8	14.1	0.9	22.9	22.3	1.2	29.7	28.3	1.7
PNEUMONIA/INFLUENZA	1,516	15.1	16.0	1.1	20.4	21.7	1.6	24.0	25.5	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	549	9.5	9.1	1.5	16.2	15.6	2.5	22.6	20.3	2.7
TRANSIENT CEREBRAL ISCHEMIA	507	2.0	1.8	0.7	3.6	3.8	1.0	5.7	6.1	1.1
STROKE	1,077	19.6	21.9	1.5	27.4	28.2	1.4	31.8	31.9	1.4
HIP FRACTURE	886	7.9	7.0	1.2	12.4	12.1	1.2	15.6	15.6	1.2
SEPSIS	349	24.1	26.2	2.7	34.1	34.0	3.3	36.7	38.4	3.3
PROCEDURES:										
ANGIOPLASTY	844	3.3	3.3	0.6	5.0	4.2	0.9	5.5	5.1	0.8
CORONARY ARTERY BYPASS GRAFT	676	7.4	5.7	1.5	9.8	8.0	1.8	11.1	9.1	2.0
INITIAL PACEMAKER INSERTION	272	4.0	3.3	1.8	8.1	6.4	2.7	11.0	9.2	2.5
CAROTID ENDARTERECTOMY	174	2.3	1.6	1.1	2.9	3.0	1.3	2.9	4.4	2.1
HIP REPLACEMENT/RECONSTRUCTION	868	3.9	2.8	0.9	5.8	5.2	0.9	7.4	6.9	0.9
OPEN REDUCTION OF HIP FRACTURE	410	5.4	6.3	1.6	9.8	11.3	2.3	13.9	14.9	2.3
PROSTATECTOMY	1,091	0.9	0.9	0.4	2.7	2.1	0.5	4.1	3.6	0.6
CHOLECYSTECTOMY	708	3.5	2.8	1.0	5.5	5.2	0.9	7.1	7.0	1.1
HYSTERECTOMY	274	0.4	0.7	0.6	1.1	1.5	0.9	1.8	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 161,779

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.95	29.31	0.13	0.99	0.00	4.78	4.68	0.05	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.90	0.02	1.05	0.03					
CONGESTIVE HEART FAILURE	1.89	1.82	0.03	1.04	0.02					
PNEUMONIA/INFLUENZA	1.32	1.35	0.03	0.98	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.60	0.02	0.97	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.42	0.02	0.94	0.04					
STROKE	0.89	0.94	0.02	0.94	0.02					
HIP FRACTURE	0.63	0.60	0.02	1.05	0.03					
SEPSIS	0.34	0.38	0.01	0.88	0.04					
PROCEDURES:										
ANGIOPLASTY	0.45	0.28	0.01	1.56	0.07					
CORONARY ARTERY BYPASS GRAFT	0.35	0.38	0.01	0.91	0.04					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	1.03	0.06					
CAROTID ENDARTERECTOMY	0.12	0.13	0.01	0.94	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.43	0.02	1.09	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.04	0.05					
PROSTATECTOMY	0.77	0.69	0.02	1.11	0.03					
CHOLECYSTECTOMY	0.47	0.45	0.02	1.03	0.04					
HYSTERECTOMY	0.16	0.17	0.01	0.93	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

DAYTON-SPRINGFIELD, OH (2000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	29,062	7.9	8.3	0.2	12.5	12.6	0.2	15.9	15.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	847	24.0	25.2	1.7	28.7	28.1	1.9	30.8	30.8	1.6
CONGESTIVE HEART FAILURE	1,612	13.0	13.9	1.1	22.0	22.0	1.0	28.9	28.1	1.2
PNEUMONIA/INFLUENZA	1,209	16.5	16.4	1.1	24.0	22.4	1.4	28.7	26.3	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	456	7.7	7.8	1.4	13.8	13.5	1.7	17.5	17.8	1.8
TRANSIENT CEREBRAL ISCHEMIA	487	1.6	1.8	0.7	2.5	4.0	1.4	4.3	6.4	1.9
STROKE	1,017	16.4	20.8	2.2	22.9	27.3	2.2	27.9	31.0	2.1
HIP FRACTURE	677	5.6	6.3	1.3	9.7	11.3	2.1	12.4	14.8	2.4
SEPSIS	269	25.3	24.7	4.1	32.7	32.7	3.1	37.9	37.4	3.1
PROCEDURES:										
ANGIOPLASTY	379	2.6	2.9	1.1	2.9	3.7	1.3	3.7	4.6	1.5
CORONARY ARTERY BYPASS GRAFT	674	7.7	5.3	1.5	10.7	7.5	1.8	11.7	8.5	1.8
INITIAL PACEMAKER INSERTION	242	4.5	3.2	1.7	7.0	6.1	2.3	9.9	8.7	2.4
CAROTID ENDARTERECTOMY	155	0.6	1.4	1.1	3.2	2.7	1.4	4.5	3.9	1.8
HIP REPLACEMENT/RECONSTRUCTION	470	2.6	3.1	0.8	4.9	5.7	1.2	6.0	7.7	1.5
OPEN REDUCTION OF HIP FRACTURE	275	6.2	5.9	1.5	10.5	10.9	1.9	14.2	14.5	2.1
PROSTATECTOMY	976	1.2	1.1	0.4	2.6	2.5	0.5	5.2	4.2	1.0
CHOLECYSTECTOMY	570	2.5	2.6	0.7	4.0	4.8	1.0	5.3	6.4	1.2
HYSTERECTOMY	264	0.8	0.7	0.7	1.9	1.5	1.4	3.0	2.4	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 137,649

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.21	28.56	0.14	1.02	0.00	4.64	4.56	0.06	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.88	0.02	0.95	0.03					
CONGESTIVE HEART FAILURE	2.03	1.77	0.04	1.14	0.02					
PNEUMONIA/INFLUENZA	1.24	1.28	0.03	0.97	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.58	0.02	0.97	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.40	0.02	1.14	0.05					
STROKE	0.91	0.92	0.03	0.98	0.03					
HIP FRACTURE	0.59	0.57	0.02	1.04	0.04					
SEPSIS	0.30	0.37	0.02	0.81	0.04					
PROCEDURES:										
ANGIOPLASTY	0.33	0.28	0.01	1.14	0.06					
CORONARY ARTERY BYPASS GRAFT	0.53	0.38	0.02	1.37	0.06					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.01	1.23	0.08					
CAROTID ENDARTERECTOMY	0.13	0.13	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.42	0.02	1.05	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.27	0.01	0.85	0.04					
PROSTATECTOMY	0.81	0.71	0.02	1.15	0.04					
CHOLECYSTECTOMY	0.47	0.45	0.02	1.04	0.04					
HYSTERECTOMY	0.20	0.17	0.01	1.11	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

HAMILTON-MIDDLETOWN, OH (3200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,376	9.2	8.4	0.4	14.6	12.9	0.6	18.1	16.2	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	214	31.8	25.1	4.7	33.6	28.3	4.9	38.3	31.1	5.3
CONGESTIVE HEART FAILURE	393	14.0	13.8	1.8	25.4	21.7	3.4	32.3	27.7	3.9
PNEUMONIA/INFLUENZA	420	17.6	15.3	2.9	23.8	21.1	3.2	28.6	25.0	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	109	7.3	5.9	2.8	11.9	10.7	3.3	14.7	14.7	3.4
TRANSIENT CEREBRAL ISCHEMIA	145	0.0	1.6	1.7	0.0	3.5	3.2	2.1	5.8	3.1
STROKE	249	22.1	20.5	4.1	27.7	26.6	4.8	32.1	30.3	3.7
HIP FRACTURE	234	9.8	6.1	2.9	14.1	10.9	4.0	17.5	14.3	4.2
SEPSIS	68	25.0	28.2	6.5	38.2	36.6	6.3	44.1	41.6	6.3
PROCEDURES:										
ANGIOPLASTY	5	20.0	4.7	*	20.0	5.7	*	20.0	7.1	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	45	0.0	3.2	*	2.2	6.5	*	2.2	9.7	*
CAROTID ENDARTERECTOMY	69	1.4	1.2	1.4	1.4	2.3	1.9	2.9	3.4	2.8
HIP REPLACEMENT/RECONSTRUCTION	120	9.2	3.7	3.1	12.5	7.0	3.9	14.2	9.5	4.1
OPEN REDUCTION OF HIP FRACTURE	86	7.0	5.7	3.0	9.3	10.4	4.6	14.0	13.7	3.7
PROSTATECTOMY	258	0.4	1.0	0.9	1.2	2.3	1.6	2.7	4.0	2.1
CHOLECYSTECTOMY	195	2.6	2.6	1.3	5.6	4.9	1.7	7.7	6.5	2.1
HYSTERECTOMY	49	0.0	0.5	*	0.0	0.9	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 34,794

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.05	29.23	0.29	1.06	0.01	4.93	4.58	0.11	1.08	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.93	0.05	**	**					
CONGESTIVE HEART FAILURE	1.72	1.79	0.07	0.95	0.04					
PNEUMONIA/INFLUENZA	1.54	1.39	0.06	1.12	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.63	0.04	0.80	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.41	0.03	1.26	0.11					
STROKE	0.82	0.92	0.05	0.90	0.05					
HIP FRACTURE	0.73	0.59	0.04	1.23	0.09					
SEPSIS	0.30	0.37	0.03	0.80	0.07					
PROCEDURES:										
ANGIOPLASTY	0.43	0.30	0.03	1.38	0.14					
CORONARY ARTERY BYPASS GRAFT	0.52	0.41	0.03	1.29	0.11					
INITIAL PACEMAKER INSERTION	0.22	0.19	0.02	1.10	0.14					
CAROTID ENDARTERECTOMY	0.24	0.14	0.02	1.64	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.43	0.03	1.03	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.03	0.91	0.09					
PROSTATECTOMY	0.76	0.70	0.04	1.08	0.07					
CHOLECYSTECTOMY	0.63	0.48	0.04	1.32	0.10					
HYSTERECTOMY	0.16	0.18	0.02	0.86	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

HUNTINGTON-ASHLAND, WV-KY-OH (3400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	11,384	9.1	9.0	0.3	13.4	13.3	0.5	16.5	16.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	458	25.3	25.7	2.4	29.5	28.7	2.6	32.1	31.5	2.6
CONGESTIVE HEART FAILURE	513	11.9	14.5	2.2	19.7	22.7	3.1	25.9	28.8	3.0
PNEUMONIA/INFLUENZA	657	16.9	16.2	2.2	24.8	22.3	3.3	29.2	26.3	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	193	7.8	5.7	2.4	11.9	10.5	2.9	15.0	14.5	3.0
TRANSIENT CEREBRAL ISCHEMIA	199	1.5	1.5	0.9	5.0	3.5	1.7	7.5	5.7	2.4
STROKE	411	21.4	20.6	2.7	25.3	26.4	3.2	28.5	30.1	3.0
HIP FRACTURE	263	7.6	6.2	2.5	12.2	11.0	3.7	17.9	14.4	4.5
SEPSIS	147	22.4	28.9	6.9	29.3	36.2	7.4	38.1	40.9	7.7
PROCEDURES:										
ANGIOPLASTY	48	10.4	3.6	*	10.4	4.4	*	10.4	5.2	*
CORONARY ARTERY BYPASS GRAFT	89	6.7	4.9	3.5	9.0	6.6	4.2	11.2	7.6	4.7
INITIAL PACEMAKER INSERTION	63	1.6	2.3	2.3	1.6	4.6	3.6	1.6	6.7	5.0
CAROTID ENDARTERECTOMY	73	1.4	1.1	2.1	4.1	2.1	2.9	5.5	3.3	3.4
HIP REPLACEMENT/RECONSTRUCTION	161	3.1	3.7	1.7	5.6	6.7	2.2	8.1	9.0	2.4
OPEN REDUCTION OF HIP FRACTURE	110	4.5	5.1	2.2	7.3	9.3	3.6	12.7	12.6	3.8
PROSTATECTOMY	287	1.0	1.0	1.0	3.1	2.4	1.5	5.2	4.1	2.0
CHOLECYSTECTOMY	219	3.7	2.6	1.8	5.5	4.8	1.8	7.3	6.5	1.8
HYSTERECTOMY	77	2.6	0.7	2.2	2.6	1.7	1.8	3.9	2.7	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 53,775

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.88	31.73	0.24	1.04	0.01	4.90	4.65	0.09	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.33	1.04	0.04	1.27	0.05					
CONGESTIVE HEART FAILURE	1.84	1.92	0.06	0.96	0.03					
PNEUMONIA/INFLUENZA	1.87	1.74	0.06	1.08	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.79	0.04	0.90	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.47	0.03	1.12	0.07					
STROKE	1.08	0.97	0.04	1.12	0.05					
HIP FRACTURE	0.62	0.62	0.03	1.02	0.06					
SEPSIS	0.45	0.36	0.03	1.31	0.10					
PROCEDURES:										
ANGIOPLASTY	0.18	0.31	0.02	0.52	0.04					
CORONARY ARTERY BYPASS GRAFT	0.34	0.43	0.03	0.78	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	1.00	0.11					
CAROTID ENDARTERECTOMY	0.15	0.16	0.02	1.00	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.45	0.03	0.82	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.02	0.94	0.08					
PROSTATECTOMY	0.63	0.74	0.04	0.85	0.04					
CHOLECYSTECTOMY	0.50	0.56	0.03	0.89	0.05					
HYSTERECTOMY	0.17	0.19	0.02	0.91	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

LIMA, OH (4320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,829	8.2	8.7	0.5	12.5	13.2	0.6	15.8	16.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	176	28.4	30.4	4.1	34.7	33.2	3.9	40.9	36.1	4.4
CONGESTIVE HEART FAILURE	417	11.8	14.7	2.8	19.9	22.9	2.7	25.4	28.9	2.9
PNEUMONIA/INFLUENZA	270	18.5	16.2	2.5	21.5	22.2	2.6	25.6	26.2	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	112	3.6	6.7	4.5	13.4	12.0	3.3	15.2	16.3	3.8
TRANSIENT CEREBRAL ISCHEMIA	126	1.6	1.7	1.2	4.0	3.8	1.7	4.8	6.1	2.4
STROKE	174	26.4	22.6	6.1	32.2	29.3	5.6	36.2	33.2	5.1
HIP FRACTURE	204	6.9	6.5	1.8	10.8	11.2	2.5	11.8	14.4	3.6
SEPSIS	54	22.2	30.0	7.1	31.5	39.2	7.9	42.6	44.4	7.9
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	51	2.0	3.2	3.0	5.9	6.2	4.2	11.8	8.9	5.9
CAROTID ENDARTERECTOMY	59	1.7	1.3	1.6	5.1	2.5	2.5	8.5	3.7	3.5
HIP REPLACEMENT/RECONSTRUCTION	158	5.1	3.1	2.5	7.6	5.7	2.5	8.2	7.7	2.7
OPEN REDUCTION OF HIP FRACTURE	98	4.1	6.0	3.3	8.2	10.8	4.9	10.2	14.1	5.9
PROSTATECTOMY	101	1.0	1.0	1.0	2.0	2.3	1.5	2.0	3.8	2.7
CHOLECYSTECTOMY	113	2.7	3.6	2.0	4.4	6.5	2.9	8.0	8.6	3.0
HYSTERECTOMY	44	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,475

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.64	29.61	0.35	1.00	0.01	4.56	4.74	0.14	0.96	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.81	0.95	0.06	0.85	0.06					
CONGESTIVE HEART FAILURE	2.28	1.83	0.09	1.24	0.06					
PNEUMONIA/INFLUENZA	1.31	1.41	0.08	0.91	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.60	0.05	1.03	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.42	0.04	1.30	0.13					
STROKE	0.81	0.96	0.06	0.83	0.05					
HIP FRACTURE	0.74	0.64	0.05	1.15	0.09					
SEPSIS	0.32	0.37	0.04	0.85	0.09					
PROCEDURES:										
ANGIOPLASTY	0.27	0.30	0.04	0.95	0.11					
CORONARY ARTERY BYPASS GRAFT	0.41	0.41	0.04	0.97	0.10					
INITIAL PACEMAKER INSERTION	0.21	0.21	0.03	0.94	0.14					
CAROTID ENDARTERECTOMY	0.24	0.14	0.03	1.89	0.36					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.04	1.03	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.30	0.04	1.12	0.14					
PROSTATECTOMY	0.47	0.75	0.05	0.62	0.05					
CHOLECYSTECTOMY	0.48	0.49	0.04	0.96	0.09					
HYSTERECTOMY	0.16	0.19	0.03	0.78	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

LORAIN-ELYRIA, OH (4440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	6,890	7.9	8.5	0.4	12.6	13.2	0.5	15.8	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	178	19.1	24.6	4.9	21.9	27.6	5.4	24.7	30.4	5.9
CONGESTIVE HEART FAILURE	438	14.6	14.1	1.7	24.0	22.3	2.2	29.2	28.4	2.5
PNEUMONIA/INFLUENZA	322	16.1	15.8	2.1	24.2	21.8	3.1	26.7	25.8	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	155	4.5	9.7	3.4	11.0	16.2	4.8	12.3	21.0	5.2
TRANSIENT CEREBRAL ISCHEMIA	139	2.9	1.7	1.5	2.9	3.7	1.7	2.9	5.9	2.6
STROKE	265	14.0	17.3	3.0	20.4	23.6	3.8	23.4	27.4	3.6
HIP FRACTURE	172	8.1	6.9	2.9	11.6	12.2	2.8	16.9	15.8	2.9
SEPSIS	52	25.0	21.6	6.4	28.8	29.1	7.4	34.6	33.4	7.3
PROCEDURES:										
ANGIOPLASTY	71	1.4	2.2	1.8	1.4	2.9	2.2	1.4	3.6	2.7
CORONARY ARTERY BYPASS GRAFT	94	4.3	5.3	2.8	8.5	7.7	3.0	10.6	8.7	3.3
INITIAL PACEMAKER INSERTION	35	5.7	3.0	*	8.6	6.1	*	11.4	9.0	*
CAROTID ENDARTERECTOMY	52	1.9	1.6	1.8	1.9	3.0	2.6	1.9	4.4	3.8
HIP REPLACEMENT/RECONSTRUCTION	134	1.5	3.8	2.5	3.0	7.0	4.0	6.0	9.3	4.0
OPEN REDUCTION OF HIP FRACTURE	81	12.3	6.0	4.6	18.5	11.0	5.5	21.0	14.6	5.3
PROSTATECTOMY	204	1.5	1.1	0.8	3.9	2.5	1.8	4.9	4.2	1.7
CHOLECYSTECTOMY	150	2.7	2.3	1.6	6.0	4.4	1.9	8.7	6.0	2.5
HYSTERECTOMY	55	0.0	1.0	1.8	1.8	2.3	2.4	3.6	3.6	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 35,506

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.29	28.34	0.28	1.17	0.01	4.63	4.45	0.11	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.81	0.90	0.05	0.90	0.05					
CONGESTIVE HEART FAILURE	2.50	1.73	0.07	1.44	0.06					
PNEUMONIA/INFLUENZA	1.42	1.28	0.06	1.11	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.94	0.59	0.04	1.59	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.58	0.40	0.03	1.45	0.12					
STROKE	1.12	0.91	0.05	1.22	0.07					
HIP FRACTURE	0.59	0.56	0.04	1.06	0.07					
SEPSIS	0.27	0.37	0.03	0.72	0.06					
PROCEDURES:										
ANGIOPLASTY	0.43	0.32	0.03	1.32	0.13					
CORONARY ARTERY BYPASS GRAFT	0.55	0.43	0.03	1.29	0.11					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	0.88	0.11					
CAROTID ENDARTERECTOMY	0.27	0.15	0.02	1.74	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.43	0.03	1.09	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.03	1.00	0.10					
PROSTATECTOMY	0.75	0.75	0.05	**	**					
CHOLECYSTECTOMY	0.55	0.47	0.04	1.15	0.09					
HYSTERECTOMY	0.19	0.18	0.02	1.11	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

MANSFIELD, OH (4800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,298	10.0	8.0	0.6	15.0	12.4	0.6	18.5	15.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	103	27.2	21.1	4.8	33.0	24.1	5.8	36.9	26.7	6.0
CONGESTIVE HEART FAILURE	172	22.1	13.5	3.5	29.7	21.6	4.1	38.4	27.5	4.6
PNEUMONIA/INFLUENZA	169	20.7	12.3	4.3	27.2	17.1	5.1	29.0	20.4	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	70	12.9	9.1	4.5	14.3	15.6	4.7	14.3	20.5	7.4
TRANSIENT CEREBRAL ISCHEMIA	46	2.2	1.9	*	6.5	4.0	*	10.9	6.2	*
STROKE	122	20.5	15.6	5.6	29.5	21.6	6.0	33.6	25.0	6.5
HIP FRACTURE	72	11.1	4.9	4.3	15.3	9.0	5.3	16.7	11.9	5.8
SEPSIS	17	17.6	23.8	*	35.3	30.6	*	41.2	34.9	*
PROCEDURES:										
ANGIOPLASTY	1	0.0	9.3	*	0.0	10.2	*	0.0	11.5	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	27	0.0	3.4	*	3.7	6.8	*	18.5	9.8	*
CAROTID ENDARTERECTOMY	61	1.6	1.4	1.6	1.6	2.7	2.2	3.3	4.0	3.1
HIP REPLACEMENT/RECONSTRUCTION	45	8.9	2.2	*	8.9	4.1	*	8.9	5.7	*
OPEN REDUCTION OF HIP FRACTURE	39	7.7	4.7	*	15.4	8.8	*	17.9	11.8	*
PROSTATECTOMY	112	1.8	0.7	1.2	1.8	1.8	2.1	5.4	3.1	2.8
CHOLECYSTECTOMY	52	3.8	2.5	2.6	9.6	4.6	4.6	11.5	6.1	5.5
HYSTERECTOMY	33	0.0	0.5	*	0.0	1.3	*	3.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,445

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.57	29.06	0.39	0.95	0.01	4.70	4.57	0.15	1.03	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.93	0.07	0.95	0.07					
CONGESTIVE HEART FAILURE	1.58	1.78	0.10	0.88	0.05					
PNEUMONIA/INFLUENZA	1.30	1.37	0.08	0.94	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.76	0.61	0.06	1.21	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.41	0.05	0.67	0.08					
STROKE	0.85	0.93	0.07	0.91	0.07					
HIP FRACTURE	0.50	0.60	0.05	0.81	0.08					
SEPSIS	0.16	0.37	0.04	0.45	0.05					
PROCEDURES:										
ANGIOPLASTY	0.38	0.30	0.04	1.24	0.17					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.05	1.05	0.12					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.03	0.73	0.13					
CAROTID ENDARTERECTOMY	0.21	0.14	0.03	1.34	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.44	0.05	0.90	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.28	0.04	0.85	0.12					
PROSTATECTOMY	0.70	0.73	0.06	0.95	0.08					
CHOLECYSTECTOMY	0.42	0.48	0.05	0.85	0.09					
HYSTERECTOMY	0.22	0.18	0.03	1.15	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

PARKERSBURG-MARIETTA, WV-OH (6020)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	6,809	9.7	9.1	0.5	14.3	13.8	0.6	17.6	17.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	222	24.3	28.0	6.2	27.9	31.1	6.9	29.3	34.0	6.9
CONGESTIVE HEART FAILURE	392	17.9	15.7	3.3	27.0	24.7	2.9	33.9	31.1	3.0
PNEUMONIA/INFLUENZA	401	20.9	17.7	3.7	27.9	24.0	4.2	31.2	28.1	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	177	7.9	7.6	2.1	14.7	13.3	2.9	17.5	17.7	2.9
TRANSIENT CEREBRAL ISCHEMIA	115	3.5	2.2	1.7	6.1	4.9	2.6	6.1	7.8	3.1
STROKE	242	23.6	20.8	3.7	27.7	27.3	3.2	32.2	31.2	3.1
HIP FRACTURE	168	6.5	6.6	2.3	12.5	11.7	2.5	17.9	15.1	3.3
SEPSIS	74	18.9	24.8	6.5	25.7	34.0	8.6	35.1	39.1	10.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	16	6.3	5.1	*	6.3	9.7	*	6.3	13.7	*
CAROTID ENDARTERECTOMY	27	3.7	1.2	*	3.7	2.2	*	7.4	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	138	2.9	3.2	1.5	5.1	5.9	2.2	7.2	7.9	2.4
OPEN REDUCTION OF HIP FRACTURE	66	6.1	6.2	3.0	12.1	11.1	4.6	18.2	14.7	6.1
PROSTATECTOMY	280	1.8	1.2	0.8	3.6	2.7	1.2	4.3	4.6	1.4
CHOLECYSTECTOMY	181	4.4	2.6	2.0	9.4	5.1	3.2	9.9	7.1	3.3
HYSTERECTOMY	74	0.0	1.0	1.4	0.0	1.9	2.1	0.0	2.9	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,021

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.57	29.96	0.35	1.19	0.01	4.93	4.74	0.14	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.22	1.00	0.06	1.26	0.08					
CONGESTIVE HEART FAILURE	2.35	1.81	0.09	1.29	0.06					
PNEUMONIA/INFLUENZA	2.06	1.54	0.08	1.35	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.02	0.64	0.05	1.60	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.57	0.42	0.04	1.41	0.14					
STROKE	1.00	0.94	0.06	1.05	0.07					
HIP FRACTURE	0.64	0.66	0.05	0.95	0.08					
SEPSIS	0.44	0.35	0.04	1.31	0.15					
PROCEDURES:										
ANGIOPLASTY	0.19	0.29	0.03	0.59	0.07					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.04	0.86	0.09					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.03	0.49	0.08					
CAROTID ENDARTERECTOMY	0.15	0.14	0.02	1.17	0.22					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.04	1.02	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.31	0.03	0.70	0.09					
PROSTATECTOMY	1.12	0.75	0.05	1.49	0.11					
CHOLECYSTECTOMY	0.67	0.51	0.04	1.32	0.12					
HYSTERECTOMY	0.27	0.19	0.03	1.46	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

STEUBENVILLE-WEIRTON, OH-WV (8080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,251	8.6	8.5	0.4	13.8	12.9	0.6	16.9	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	116	31.0	25.8	5.0	34.5	29.0	5.2	36.2	31.6	5.0
CONGESTIVE HEART FAILURE	421	17.1	14.5	2.1	26.1	22.9	3.0	33.5	29.0	3.5
PNEUMONIA/INFLUENZA	270	15.2	14.4	2.3	21.1	19.9	2.7	24.4	23.3	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	175	5.1	7.7	2.9	12.0	13.7	3.0	16.6	18.2	3.3
TRANSIENT CEREBRAL ISCHEMIA	153	3.3	1.8	1.9	6.5	4.1	3.1	8.5	6.7	3.2
STROKE	166	25.3	21.5	3.7	32.5	27.4	4.9	34.9	31.2	5.5
HIP FRACTURE	76	5.3	5.9	3.6	6.6	10.5	5.7	6.6	13.5	7.6
SEPSIS	49	22.4	26.4	*	28.6	34.6	*	34.7	39.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	25	8.0	5.7	*	16.0	10.4	*	16.0	14.2	*
CAROTID ENDARTERECTOMY	37	0.0	1.6	*	0.0	3.1	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	23	4.3	3.4	*	4.3	6.1	*	4.3	8.1	*
OPEN REDUCTION OF HIP FRACTURE	47	6.4	5.4	*	8.5	9.9	*	8.5	13.0	*
PROSTATECTOMY	160	1.9	1.1	1.1	2.5	2.6	1.4	5.0	4.5	1.8
CHOLECYSTECTOMY	82	3.7	2.9	2.5	4.9	5.2	2.6	8.5	6.6	3.5
HYSTERECTOMY	32	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,268

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	40.19	30.65	0.33	1.31	0.01	4.87	4.43	0.13	1.10	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	1.03	0.06	0.99	0.06					
CONGESTIVE HEART FAILURE	3.25	1.87	0.08	1.73	0.08					
PNEUMONIA/INFLUENZA	1.64	1.51	0.07	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.49	0.71	0.05	2.06	0.15					
TRANSIENT CEREBRAL ISCHEMIA	0.88	0.46	0.04	1.90	0.18					
STROKE	1.07	0.96	0.06	1.11	0.07					
HIP FRACTURE	0.50	0.58	0.05	0.90	0.07					
SEPSIS	0.43	0.36	0.04	1.16	0.13					
PROCEDURES:										
ANGIOPLASTY	0.44	0.32	0.04	1.40	0.16					
CORONARY ARTERY BYPASS GRAFT	0.42	0.46	0.04	0.87	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.03	0.84	0.12					
CAROTID ENDARTERECTOMY	0.24	0.17	0.03	1.47	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.45	0.04	0.73	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.03	1.17	0.15					
PROSTATECTOMY	0.95	0.79	0.05	1.19	0.08					
CHOLECYSTECTOMY	0.46	0.56	0.04	0.84	0.07					
HYSTERECTOMY	0.18	0.19	0.03	0.96	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

TOLEDO, OH (8400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22,795	8.1	8.6	0.2	12.5	13.2	0.3	15.8	16.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	657	24.5	27.4	2.1	30.0	30.3	2.3	32.7	33.1	2.1
CONGESTIVE HEART FAILURE	1,297	15.0	14.3	1.3	24.1	22.6	2.0	28.9	28.6	1.7
PNEUMONIA/INFLUENZA	930	14.9	16.1	1.7	21.8	22.0	1.6	25.2	25.9	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	461	7.4	8.8	1.7	16.1	15.4	1.8	21.7	20.3	2.2
TRANSIENT CEREBRAL ISCHEMIA	411	2.4	1.7	1.0	3.6	3.8	1.0	5.8	6.1	1.2
STROKE	784	16.3	18.8	2.2	22.8	25.1	2.4	26.4	28.9	2.6
HIP FRACTURE	444	7.7	6.4	1.7	12.6	11.3	2.2	16.4	14.8	2.9
SEPSIS	257	24.1	25.8	3.2	33.5	33.7	4.5	38.1	38.5	3.4
PROCEDURES:										
ANGIOPLASTY	131	3.1	2.2	1.5	3.1	3.1	1.5	3.1	4.0	1.9
CORONARY ARTERY BYPASS GRAFT	192	3.1	4.6	2.9	5.2	6.6	3.4	5.7	7.5	3.6
INITIAL PACEMAKER INSERTION	215	2.3	3.2	1.7	4.2	6.0	2.5	7.9	8.7	2.8
CAROTID ENDARTERECTOMY	201	2.5	1.6	1.3	5.5	3.1	2.2	6.5	4.5	2.3
HIP REPLACEMENT/RECONSTRUCTION	395	3.3	2.6	0.9	5.6	4.9	1.2	7.6	6.7	1.4
OPEN REDUCTION OF HIP FRACTURE	202	7.9	5.8	3.2	13.9	10.5	4.6	16.8	13.9	4.9
PROSTATECTOMY	701	1.6	1.1	0.6	2.7	2.5	0.6	3.7	4.2	0.9
CHOLECYSTECTOMY	346	2.6	3.1	1.4	4.9	5.7	1.6	6.4	7.6	1.8
HYSTERECTOMY	172	1.7	0.8	1.5	2.3	1.8	1.9	3.5	2.9	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 87,879

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.39	29.29	0.18	1.17	0.01	4.82	4.73	0.07	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.01	0.91	0.03	1.12	0.04					
CONGESTIVE HEART FAILURE	2.46	1.83	0.05	1.34	0.03					
PNEUMONIA/INFLUENZA	1.46	1.37	0.04	1.07	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.95	0.59	0.03	1.62	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.41	0.02	1.28	0.07					
STROKE	1.07	0.95	0.03	1.13	0.04					
HIP FRACTURE	0.62	0.62	0.03	0.99	0.04					
SEPSIS	0.43	0.38	0.02	1.12	0.06					
PROCEDURES:										
ANGIOPLASTY	0.16	0.29	0.02	0.56	0.04					
CORONARY ARTERY BYPASS GRAFT	0.28	0.39	0.02	0.75	0.04					
INITIAL PACEMAKER INSERTION	0.29	0.20	0.01	1.45	0.11					
CAROTID ENDARTERECTOMY	0.22	0.13	0.01	1.56	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.45	0.02	1.06	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.29	0.02	0.91	0.06					
PROSTATECTOMY	0.85	0.71	0.03	1.19	0.05					
CHOLECYSTECTOMY	0.44	0.46	0.02	0.95	0.05					
HYSTERECTOMY	0.19	0.18	0.01	1.02	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

WHEELING, WV-OH (9000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,891	8.2	9.1	0.4	12.9	13.8	0.4	16.0	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	261	31.4	26.0	5.5	35.2	29.3	5.8	37.9	32.1	5.7
CONGESTIVE HEART FAILURE	554	13.4	14.4	1.8	21.8	22.9	2.5	26.5	29.1	3.3
PNEUMONIA/INFLUENZA	468	13.0	14.6	2.2	16.9	20.1	3.2	20.9	23.8	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	228	3.5	7.6	2.5	9.2	13.5	3.5	11.8	18.0	3.8
TRANSIENT CEREBRAL ISCHEMIA	200	1.5	1.8	1.4	4.5	4.0	3.1	5.0	6.4	3.1
STROKE	299	15.4	18.3	3.4	24.1	24.3	2.6	28.8	28.0	2.7
HIP FRACTURE	210	3.8	6.6	3.2	8.6	11.6	4.3	12.9	15.0	4.4
SEPSIS	85	17.6	32.3	7.5	24.7	40.0	7.9	32.9	44.4	7.9
PROCEDURES:										
ANGIOPLASTY	1	0.0	13.1	*	0.0	14.1	*	0.0	14.9	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	45	6.7	3.7	*	6.7	7.3	*	6.7	10.8	*
CAROTID ENDARTERECTOMY	54	3.7	1.3	3.2	7.4	2.4	5.3	7.4	3.6	5.8
HIP REPLACEMENT/RECONSTRUCTION	100	0.0	3.9	4.2	1.0	7.0	6.4	5.0	9.2	4.8
OPEN REDUCTION OF HIP FRACTURE	126	4.8	5.7	2.9	8.7	10.4	4.2	11.9	13.7	4.8
PROSTATECTOMY	264	1.1	1.0	1.0	3.0	2.2	1.6	4.2	3.7	2.6
CHOLECYSTECTOMY	150	5.3	2.4	2.2	9.3	4.2	2.8	10.0	5.6	2.8
HYSTERECTOMY	62	1.6	0.4	1.4	1.6	0.9	1.4	1.6	1.4	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 32,438

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.01	31.28	0.31	1.15	0.01	4.85	4.64	0.12	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.09	1.05	0.06	1.03	0.06					
CONGESTIVE HEART FAILURE	2.73	1.92	0.08	1.40	0.06					
PNEUMONIA/INFLUENZA	1.74	1.59	0.07	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.09	0.70	0.05	1.53	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.72	0.47	0.04	1.48	0.12					
STROKE	1.11	0.98	0.05	1.13	0.06					
HIP FRACTURE	0.65	0.65	0.04	0.96	0.07					
SEPSIS	0.35	0.36	0.03	1.04	0.10					
PROCEDURES:										
ANGIOPLASTY	0.25	0.30	0.03	0.81	0.09					
CORONARY ARTERY BYPASS GRAFT	0.28	0.43	0.04	0.64	0.06					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.03	1.02	0.13					
CAROTID ENDARTERECTOMY	0.17	0.16	0.02	1.05	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.48	0.04	0.72	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.03	1.19	0.13					
PROSTATECTOMY	0.85	0.76	0.05	1.12	0.07					
CHOLECYSTECTOMY	0.50	0.55	0.04	0.91	0.07					
HYSTERECTOMY	0.17	0.20	0.02	0.85	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

YOUNGSTOWN-WARREN, OH (9320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18,989	8.2	9.2	0.3	13.1	13.8	0.3	16.3	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	582	25.4	26.5	2.8	29.2	29.6	3.0	31.4	32.3	3.0
CONGESTIVE HEART FAILURE	1,061	14.9	15.1	1.3	23.8	23.8	1.3	30.6	30.1	1.5
PNEUMONIA/INFLUENZA	802	16.2	17.1	1.6	23.4	23.3	1.5	28.1	27.4	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	395	7.6	9.5	2.9	16.2	16.2	3.4	19.5	21.1	2.8
TRANSIENT CEREBRAL ISCHEMIA	416	2.2	1.9	0.9	4.3	4.1	1.0	5.8	6.5	1.4
STROKE	612	16.2	20.7	2.2	23.5	27.2	2.4	26.3	30.9	2.4
HIP FRACTURE	310	7.4	7.0	1.6	11.6	12.2	2.2	13.5	15.7	3.1
SEPSIS	242	22.7	30.6	4.3	33.1	38.1	4.1	38.0	42.5	3.9
PROCEDURES:										
ANGIOPLASTY	113	1.8	3.6	2.1	4.4	4.4	1.9	4.4	5.3	2.4
CORONARY ARTERY BYPASS GRAFT	267	6.7	6.0	1.6	8.6	8.1	1.8	9.0	9.0	2.0
INITIAL PACEMAKER INSERTION	133	2.3	3.7	1.9	8.3	6.8	3.1	8.3	9.8	3.0
CAROTID ENDARTERECTOMY	169	1.2	1.5	1.0	3.0	2.7	1.3	4.1	3.9	1.5
HIP REPLACEMENT/RECONSTRUCTION	233	2.6	3.4	1.9	5.2	6.2	2.8	6.4	8.3	3.0
OPEN REDUCTION OF HIP FRACTURE	136	9.6	6.3	3.7	12.5	11.4	3.9	16.2	15.0	3.9
PROSTATECTOMY	736	1.5	1.0	0.5	2.7	2.4	0.6	3.0	4.0	1.0
CHOLECYSTECTOMY	334	1.2	3.5	1.3	4.5	6.2	1.9	5.7	8.0	2.0
HYSTERECTOMY	133	0.0	0.7	0.9	0.8	1.6	1.3	1.5	2.6	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 89,370

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.19	29.64	0.18	1.15	0.01	4.65	4.48	0.07	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.93	0.03	1.11	0.04					
CONGESTIVE HEART FAILURE	2.29	1.83	0.04	1.25	0.03					
PNEUMONIA/INFLUENZA	1.40	1.39	0.04	1.01	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.85	0.64	0.03	1.35	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.66	0.43	0.02	1.56	0.08					
STROKE	0.95	0.96	0.03	0.99	0.03					
HIP FRACTURE	0.49	0.56	0.02	0.86	0.04					
SEPSIS	0.48	0.38	0.02	1.27	0.07					
PROCEDURES:										
ANGIOPLASTY	0.22	0.31	0.02	0.74	0.05					
CORONARY ARTERY BYPASS GRAFT	0.49	0.43	0.02	1.12	0.06					
INITIAL PACEMAKER INSERTION	0.21	0.21	0.01	1.03	0.08					
CAROTID ENDARTERECTOMY	0.21	0.15	0.01	1.35	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.42	0.02	1.01	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.27	0.02	0.86	0.06					
PROSTATECTOMY	1.06	0.76	0.03	1.41	0.05					
CHOLECYSTECTOMY	0.50	0.50	0.02	**	**					
HYSTERECTOMY	0.20	0.18	0.01	1.05	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

OH-(NONMSA) (99OH)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	53,047	9.8	9.4	0.2	14.6	14.1	0.3	18.0	17.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,958	29.7	27.2	1.5	33.8	30.2	1.8	37.0	33.0	2.0
CONGESTIVE HEART FAILURE	3,321	15.8	14.9	1.2	25.0	23.4	1.3	31.3	29.6	1.4
PNEUMONIA/INFLUENZA	3,797	16.3	16.4	0.8	22.7	22.4	0.8	26.6	26.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,243	9.5	8.0	1.4	14.6	13.9	1.6	19.1	18.5	1.4
TRANSIENT CEREBRAL ISCHEMIA	1,015	2.5	2.0	0.6	4.7	4.5	0.8	7.1	7.2	0.9
STROKE	2,031	22.2	20.4	1.4	29.1	26.8	1.5	33.1	30.6	1.7
HIP FRACTURE	1,372	6.9	6.8	0.7	11.6	12.0	1.1	15.1	15.6	1.1
SEPSIS	629	24.2	26.3	2.0	32.3	33.6	3.4	35.9	38.1	2.6
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	308	5.5	3.7	2.0	8.8	6.9	2.2	11.0	9.7	2.3
CAROTID ENDARTERECTOMY	143	0.7	1.5	1.3	1.4	2.8	1.8	2.8	4.2	2.1
HIP REPLACEMENT/RECONSTRUCTION	768	4.8	4.1	1.0	7.0	7.5	1.1	10.4	10.0	1.2
OPEN REDUCTION OF HIP FRACTURE	650	6.0	6.1	1.1	10.3	11.1	1.7	13.2	14.6	1.9
PROSTATECTOMY	1,678	0.8	0.9	0.2	2.0	2.1	0.5	3.8	3.6	0.6
CHOLECYSTECTOMY	1,097	2.8	2.1	0.7	3.6	3.9	0.6	4.7	5.2	0.8
HYSTERECTOMY	388	0.0	0.6	0.4	0.5	1.3	0.7	1.0	2.0	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 361,258

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.16	30.00	0.09	1.04	0.00	4.79	4.67	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	0.99	0.02	1.14	0.02					
CONGESTIVE HEART FAILURE	2.04	1.80	0.02	1.13	0.01					
PNEUMONIA/INFLUENZA	1.74	1.57	0.02	1.12	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.66	0.01	1.10	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.41	0.01	1.20	0.03					
STROKE	0.95	0.94	0.02	1.00	0.02					
HIP FRACTURE	0.62	0.63	0.01	0.97	0.02					
SEPSIS	0.32	0.35	0.01	0.89	0.03					
PROCEDURES:										
ANGIOPLASTY	0.31	0.30	0.01	1.01	0.03					
CORONARY ARTERY BYPASS GRAFT	0.38	0.41	0.01	0.94	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.05	0.04					
CAROTID ENDARTERECTOMY	0.16	0.14	0.01	1.14	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.47	0.01	**	**					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.01	0.94	0.03					
PROSTATECTOMY	0.78	0.76	0.01	1.01	0.02					
CHOLECYSTECTOMY	0.52	0.52	0.01	1.01	0.02					
HYSTERECTOMY	0.18	0.19	0.01	0.99	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

ENID, OK (2340)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	3,091	8.3	7.8	0.8	12.4	11.8	1.1	15.7	14.8	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	84	26.2	28.5	5.3	29.8	31.6	5.3	35.7	34.7	5.4
CONGESTIVE HEART FAILURE	95	14.7	13.0	4.1	22.1	20.5	4.9	31.6	26.4	6.6
PNEUMONIA/INFLUENZA	125	18.4	16.1	3.8	25.6	22.0	5.3	30.4	25.8	6.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	45	13.3	9.0	*	22.2	15.5	*	31.1	20.3	*
TRANSIENT CEREBRAL ISCHEMIA	47	2.1	1.3	*	2.1	3.0	*	6.4	5.0	*
STROKE	110	29.1	22.2	8.5	32.7	28.1	7.8	37.3	31.8	7.3
HIP FRACTURE	137	6.6	6.7	2.2	9.5	11.8	4.0	10.9	15.3	5.2
SEPSIS	24	45.8	26.1	*	45.8	33.1	*	50.0	37.8	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	30	0.0	2.3	*	3.3	4.7	*	6.7	7.0	*
CAROTID ENDARTERECTOMY	4	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	105	1.0	2.4	1.9	2.9	4.6	3.1	2.9	6.2	4.3
OPEN REDUCTION OF HIP FRACTURE	80	3.8	6.0	4.3	6.3	10.9	6.4	8.7	14.6	6.8
PROSTATECTOMY	193	0.0	0.7	0.8	0.0	1.6	1.4	0.5	2.8	1.9
CHOLECYSTECTOMY	90	2.2	2.5	2.2	5.6	4.7	3.0	7.8	6.5	3.2
HYSTERECTOMY	41	0.0	0.8	*	2.4	1.9	*	2.4	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 9,896

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	30.17	30.42	0.55	0.99	0.02	4.82	5.00	0.22	0.97	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.99	0.10	1.01	0.10					
CONGESTIVE HEART FAILURE	1.42	1.85	0.14	0.78	0.06					
PNEUMONIA/INFLUENZA	1.36	1.63	0.13	0.85	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.61	0.08	0.69	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.42	0.06	1.08	0.18					
STROKE	1.03	0.99	0.10	1.08	0.11					
HIP FRACTURE	0.72	0.72	0.09	1.03	0.13					
SEPSIS	0.24	0.37	0.06	0.77	0.13					
PROCEDURES:										
ANGIOPLASTY	0.24	0.28	0.05	0.82	0.17					
CORONARY ARTERY BYPASS GRAFT	0.40	0.38	0.06	0.94	0.16					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.05	1.17	0.28					
CAROTID ENDARTERECTOMY	0.10	0.13	0.04	0.67	0.20					
HIP REPLACEMENT/RECONSTRUCTION	0.55	0.51	0.07	1.06	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.45	0.33	0.06	1.35	0.25					
PROSTATECTOMY	1.12	0.74	0.09	1.52	0.18					
CHOLECYSTECTOMY	0.69	0.50	0.07	1.34	0.20					
HYSTERECTOMY	0.23	0.19	0.04	1.16	0.29					

** QUANTITIES COULD NOT BE ESTIMATED

FORT SMITH, AR (2720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,190	8.3	8.6	0.4	12.6	13.0	0.4	16.0	16.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	333	27.6	27.4	3.0	32.7	30.2	3.5	35.1	32.9	4.0
CONGESTIVE HEART FAILURE	434	16.6	14.6	2.8	24.4	23.1	2.6	30.2	29.2	3.2
PNEUMONIA/INFLUENZA	438	13.5	15.0	2.9	19.2	20.6	3.0	21.9	24.4	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	93	9.7	8.3	3.1	16.1	14.9	4.8	21.5	19.6	4.8
TRANSIENT CEREBRAL ISCHEMIA	125	0.0	1.6	1.9	1.6	3.7	2.8	2.4	5.9	3.8
STROKE	307	19.9	17.8	2.8	25.4	23.9	2.6	30.9	27.5	3.5
HIP FRACTURE	290	5.5	6.1	2.1	10.3	10.9	3.0	12.8	14.3	3.6
SEPSIS	49	26.5	32.3	*	34.7	41.4	*	42.9	46.3	*
PROCEDURES:										
ANGIOPLASTY	52	1.9	2.6	3.0	1.9	3.5	3.3	1.9	4.5	3.7
CORONARY ARTERY BYPASS GRAFT	122	7.4	5.5	2.8	7.4	7.5	2.5	7.4	8.4	2.8
INITIAL PACEMAKER INSERTION	99	4.0	3.6	2.7	10.1	6.6	4.2	15.2	9.4	5.6
CAROTID ENDARTERECTOMY	53	0.0	1.4	2.1	1.9	2.7	2.3	1.9	4.0	3.3
HIP REPLACEMENT/RECONSTRUCTION	189	3.2	3.7	1.5	7.4	6.8	1.9	10.6	9.2	2.5
OPEN REDUCTION OF HIP FRACTURE	142	4.9	5.7	2.4	9.2	10.4	3.7	11.3	13.8	4.9
PROSTATECTOMY	499	0.0	1.1	1.1	0.8	2.4	1.6	1.6	4.0	2.4
CHOLECYSTECTOMY	210	2.4	2.3	1.4	4.8	4.3	1.8	7.1	6.0	2.4
HYSTERECTOMY	78	1.3	0.4	1.1	2.6	0.9	1.8	2.6	1.5	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 28,204

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.87	31.29	0.33	1.15	0.01	5.08	4.72	0.13	1.08	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.38	1.02	0.06	1.34	0.08					
CONGESTIVE HEART FAILURE	2.19	1.89	0.08	1.16	0.05					
PNEUMONIA/INFLUENZA	1.86	1.71	0.08	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.73	0.05	0.67	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.45	0.44	0.04	0.95	0.09					
STROKE	1.21	0.98	0.06	1.21	0.07					
HIP FRACTURE	0.83	0.64	0.05	1.28	0.10					
SEPSIS	0.27	0.36	0.04	0.75	0.08					
PROCEDURES:										
ANGIOPLASTY	0.20	0.30	0.03	0.57	0.07					
CORONARY ARTERY BYPASS GRAFT	0.45	0.41	0.04	1.10	0.11					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.03	1.43	0.21					
CAROTID ENDARTERECTOMY	0.15	0.15	0.02	0.98	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.45	0.04	1.09	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.40	0.29	0.03	1.34	0.16					
PROSTATECTOMY	1.34	0.75	0.05	1.76	0.13					
CHOLECYSTECTOMY	0.65	0.54	0.04	1.21	0.10					
HYSTERECTOMY	0.18	0.19	0.03	0.79	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

LAWTON, OK (4200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,695	9.6	9.2	0.7	14.2	14.1	0.9	18.1	17.6	1.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	77	27.3	22.2	5.0	29.9	25.7	5.2	32.5	28.3	5.3
CONGESTIVE HEART FAILURE	114	17.5	14.3	4.0	24.6	22.8	4.4	29.8	28.8	4.5
PNEUMONIA/INFLUENZA	162	15.4	16.4	3.1	21.6	22.5	3.7	24.7	26.4	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	42	11.9	7.2	*	16.7	12.6	*	21.4	16.7	*
TRANSIENT CEREBRAL ISCHEMIA	31	3.2	2.0	*	3.2	4.5	*	9.7	7.3	*
STROKE	142	16.9	16.0	3.4	24.6	22.1	3.9	26.8	25.9	3.7
HIP FRACTURE	76	7.9	5.8	5.0	11.8	10.5	4.6	15.8	13.9	4.4
SEPSIS	23	21.7	29.9	*	43.5	36.8	*	47.8	40.8	*
PROCEDURES:										
ANGIOPLASTY	21	0.0	2.8	*	0.0	3.6	*	0.0	4.5	*
CORONARY ARTERY BYPASS GRAFT	40	10.0	3.5	*	10.0	5.1	*	10.0	6.0	*
INITIAL PACEMAKER INSERTION	17	0.0	1.7	*	0.0	3.5	*	0.0	5.4	*
CAROTID ENDARTERECTOMY	10	0.0	1.1	*	10.0	2.1	*	10.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	43	2.3	3.7	*	7.0	7.0	*	7.0	9.4	*
OPEN REDUCTION OF HIP FRACTURE	36	5.6	4.9	*	8.3	9.2	*	13.9	12.3	*
PROSTATECTOMY	83	1.2	1.0	1.2	2.4	2.4	2.0	2.4	4.1	2.6
CHOLECYSTECTOMY	51	2.0	1.7	2.0	3.9	3.1	3.4	5.9	4.0	4.3
HYSTERECTOMY	36	2.8	0.5	*	2.8	1.1	*	2.8	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 10,612

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.08	30.49	0.54	0.92	0.02	5.05	4.57	0.21	1.10	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.70	0.97	0.09	0.72	0.07					
CONGESTIVE HEART FAILURE	1.10	1.89	0.13	0.58	0.04					
PNEUMONIA/INFLUENZA	1.72	1.46	0.12	1.18	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.65	0.08	0.65	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.44	0.06	0.62	0.09					
STROKE	1.40	0.99	0.10	1.41	0.14					
HIP FRACTURE	0.71	0.59	0.07	1.20	0.15					
SEPSIS	0.26	0.39	0.06	0.68	0.11					
PROCEDURES:										
ANGIOPLASTY	0.24	0.32	0.05	0.73	0.13					
CORONARY ARTERY BYPASS GRAFT	0.53	0.43	0.06	1.23	0.18					
INITIAL PACEMAKER INSERTION	0.17	0.22	0.04	0.89	0.18					
CAROTID ENDARTERECTOMY	0.05	0.16	0.04	0.28	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.44	0.06	1.01	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.28	0.05	1.27	0.23					
PROSTATECTOMY	0.64	0.77	0.08	0.83	0.09					
CHOLECYSTECTOMY	0.41	0.53	0.07	0.77	0.10					
HYSTERECTOMY	0.23	0.19	0.04	1.21	0.27					

** QUANTITIES COULD NOT BE ESTIMATED

OKLAHOMA CITY, OK (5880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,085	8.9	8.0	0.2	13.6	12.4	0.3	16.8	15.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	758	28.5	25.4	2.7	32.8	28.4	2.8	35.2	31.1	2.8
CONGESTIVE HEART FAILURE	1,299	16.3	14.4	1.2	23.3	22.9	1.2	29.2	29.2	1.3
PNEUMONIA/INFLUENZA	1,173	16.3	15.0	1.4	23.1	20.9	1.9	27.2	24.8	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	620	9.0	8.0	1.5	15.5	14.0	2.3	20.5	18.4	2.3
TRANSIENT CEREBRAL ISCHEMIA	380	1.8	1.5	1.2	4.2	3.5	1.8	6.1	5.8	2.0
STROKE	885	22.9	20.8	2.5	30.4	26.7	2.7	33.4	30.5	2.5
HIP FRACTURE	857	6.2	5.9	0.9	11.4	10.5	1.3	14.2	13.9	1.3
SEPSIS	334	29.6	24.8	3.2	38.3	33.4	3.4	45.8	38.4	4.0
PROCEDURES:										
ANGIOPLASTY	499	3.0	2.7	0.9	3.4	3.6	1.0	4.0	4.5	1.2
CORONARY ARTERY BYPASS GRAFT	619	6.1	5.2	1.2	8.4	7.5	1.3	9.7	8.5	1.5
INITIAL PACEMAKER INSERTION	277	3.2	3.0	1.2	8.3	6.0	1.9	10.5	8.8	1.9
CAROTID ENDARTERECTOMY	135	0.7	1.4	1.2	1.5	2.7	2.0	3.0	4.0	2.4
HIP REPLACEMENT/RECONSTRUCTION	786	1.8	2.8	1.1	5.5	5.4	1.3	6.9	7.4	1.1
OPEN REDUCTION OF HIP FRACTURE	335	6.6	5.7	1.5	10.4	10.5	2.4	14.0	14.0	2.7
PROSTATECTOMY	1,009	1.5	0.9	0.4	3.4	2.1	0.7	5.1	3.6	0.8
CHOLECYSTECTOMY	797	4.3	2.7	0.9	6.6	4.8	1.1	8.8	6.3	1.4
HYSTERECTOMY	303	1.0	0.6	0.8	1.7	1.4	1.0	2.6	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 118,116

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.00	29.62	0.16	1.11	0.01	4.91	4.73	0.06	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.95	0.03	0.81	0.02					
CONGESTIVE HEART FAILURE	1.74	1.83	0.04	0.95	0.02					
PNEUMONIA/INFLUENZA	1.44	1.46	0.03	1.00	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.79	0.60	0.02	1.33	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.37	0.42	0.02	0.89	0.04					
STROKE	0.94	0.97	0.03	0.98	0.03					
HIP FRACTURE	0.77	0.64	0.02	1.20	0.04					
SEPSIS	0.42	0.37	0.02	1.11	0.05					
PROCEDURES:										
ANGIOPLASTY	0.41	0.28	0.02	1.44	0.08					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.03	0.05					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.01	1.18	0.08					
CAROTID ENDARTERECTOMY	0.11	0.13	0.01	0.78	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.59	0.47	0.02	1.27	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.30	0.02	1.05	0.06					
PROSTATECTOMY	0.88	0.73	0.02	1.19	0.04					
CHOLECYSTECTOMY	0.70	0.48	0.02	1.47	0.06					
HYSTERECTOMY	0.24	0.19	0.01	1.29	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

TULSA, OK (8560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	22,111	8.8	8.4	0.3	13.7	12.9	0.4	16.9	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	846	22.2	22.6	1.5	26.1	25.8	1.6	29.0	28.5	1.9
CONGESTIVE HEART FAILURE	983	13.2	13.7	1.3	21.6	21.9	1.4	28.2	28.1	1.4
PNEUMONIA/INFLUENZA	902	14.4	13.4	1.4	19.2	18.7	1.4	23.5	22.2	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	289	8.0	7.7	1.6	13.8	13.4	2.0	16.3	17.7	2.6
TRANSIENT CEREBRAL ISCHEMIA	302	1.7	1.7	0.9	5.0	3.8	1.5	6.6	6.2	1.4
STROKE	775	16.4	18.8	2.0	24.6	24.8	2.1	28.1	28.6	1.8
HIP FRACTURE	601	6.2	6.1	1.1	11.0	10.9	1.3	14.8	14.3	1.7
SEPSIS	225	28.4	24.0	5.5	38.7	32.8	5.8	42.2	38.0	5.2
PROCEDURES:										
ANGIOPLASTY	443	3.8	3.6	0.9	5.6	4.5	1.2	6.8	5.4	1.4
CORONARY ARTERY BYPASS GRAFT	458	9.2	5.7	1.9	12.2	8.1	2.3	12.9	9.1	2.3
INITIAL PACEMAKER INSERTION	206	2.4	3.1	1.7	5.8	6.0	2.6	7.8	8.6	2.6
CAROTID ENDARTERECTOMY	87	0.0	1.8	2.1	1.1	3.4	2.4	1.1	4.8	3.2
HIP REPLACEMENT/RECONSTRUCTION	468	5.8	3.3	1.4	8.5	6.2	1.6	10.7	8.3	1.7
OPEN REDUCTION OF HIP FRACTURE	316	4.1	5.5	2.0	9.2	10.2	2.1	13.6	13.6	2.4
PROSTATECTOMY	725	0.8	1.0	0.5	3.0	2.3	0.7	4.6	3.9	1.3
CHOLECYSTECTOMY	482	2.7	2.6	0.7	4.4	4.9	1.1	6.2	6.6	1.4
HYSTERECTOMY	168	0.6	0.9	0.8	0.6	1.9	1.2	1.8	3.0	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 91,858

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	30.73	29.79	0.18	1.03	0.01	4.87	4.66	0.07	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	0.96	0.03	1.08	0.04					
CONGESTIVE HEART FAILURE	1.71	1.84	0.04	0.93	0.02					
PNEUMONIA/INFLUENZA	1.38	1.45	0.04	0.95	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.61	0.03	0.87	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.43	0.02	0.86	0.04					
STROKE	1.11	0.97	0.03	1.15	0.04					
HIP FRACTURE	0.73	0.62	0.03	1.19	0.05					
SEPSIS	0.38	0.37	0.02	1.01	0.06					
PROCEDURES:										
ANGIOPLASTY	0.46	0.28	0.02	1.60	0.10					
CORONARY ARTERY BYPASS GRAFT	0.43	0.40	0.02	1.05	0.06					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.22	0.10					
CAROTID ENDARTERECTOMY	0.09	0.13	0.01	0.68	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.55	0.46	0.02	1.22	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.29	0.02	1.27	0.08					
PROSTATECTOMY	0.83	0.75	0.03	1.13	0.04					
CHOLECYSTECTOMY	0.58	0.49	0.02	1.17	0.06					
HYSTERECTOMY	0.18	0.19	0.01	0.92	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

OK-(NONMSA) (990K)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	37,123	10.4	9.5	0.2	15.1	14.2	0.2	18.5	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,228	32.1	28.3	1.7	37.4	31.6	2.5	39.9	34.6	2.1
CONGESTIVE HEART FAILURE	1,946	15.8	14.6	0.9	23.2	23.1	1.0	29.2	29.3	1.2
PNEUMONIA/INFLUENZA	2,947	13.8	13.8	0.7	19.8	19.2	1.0	23.9	22.8	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	833	7.4	7.7	0.9	11.2	13.8	1.4	15.6	18.4	1.6
TRANSIENT CEREBRAL ISCHEMIA	589	2.2	1.7	0.7	5.1	3.9	1.3	9.3	6.4	1.8
STROKE	1,598	23.0	19.6	1.3	28.2	25.9	1.3	32.5	29.8	1.5
HIP FRACTURE	895	6.3	6.3	1.0	11.6	11.1	1.2	14.5	14.5	1.5
SEPSIS	480	28.7	25.3	2.5	36.0	33.2	2.5	39.4	37.9	2.3
PROCEDURES:										
ANGIOPLASTY	1	0.0	8.4	*	0.0	9.9	*	0.0	11.2	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	164	3.7	3.5	1.9	8.5	6.7	2.9	12.2	9.6	3.6
CAROTID ENDARTERECTOMY	49	0.0	1.7	*	0.0	3.3	*	0.0	4.9	*
HIP REPLACEMENT/RECONSTRUCTION	517	2.7	3.7	1.3	7.2	6.9	1.1	9.3	9.2	1.3
OPEN REDUCTION OF HIP FRACTURE	430	6.0	5.8	1.1	10.0	10.7	1.8	13.0	14.2	2.3
PROSTATECTOMY	1,027	1.2	0.9	0.6	2.6	2.2	0.9	3.4	3.8	0.8
CHOLECYSTECTOMY	756	4.0	2.2	0.9	4.8	4.2	0.8	5.6	5.6	0.9
HYSTERECTOMY	223	1.8	0.8	1.5	2.2	1.5	1.7	2.2	2.3	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 240,568

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.93	31.80	0.11	1.10	0.00	5.01	4.87	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.16	1.06	0.02	1.09	0.02					
CONGESTIVE HEART FAILURE	1.90	1.90	0.03	**	**					
PNEUMONIA/INFLUENZA	2.12	1.82	0.03	1.16	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.69	0.02	1.10	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.44	0.01	1.05	0.03					
STROKE	1.16	1.04	0.02	1.11	0.02					
HIP FRACTURE	0.77	0.68	0.02	1.12	0.03					
SEPSIS	0.39	0.37	0.01	1.04	0.04					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.01	1.09	0.05					
CORONARY ARTERY BYPASS GRAFT	0.40	0.40	0.01	0.99	0.03					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.10	0.06					
CAROTID ENDARTERECTOMY	0.11	0.14	0.01	0.82	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.50	0.01	1.10	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.31	0.01	1.11	0.05					
PROSTATECTOMY	0.92	0.82	0.02	1.10	0.03					
CHOLECYSTECTOMY	0.64	0.55	0.01	1.15	0.03					
HYSTERECTOMY	0.19	0.19	0.01	0.98	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

EUGENE-SPRINGFIELD, OR (2400)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,765	8.7	7.4	0.4	13.3	11.4	0.5	16.4	14.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	251	20.7	23.0	2.9	26.7	25.9	4.3	27.9	28.6	3.4
CONGESTIVE HEART FAILURE	300	15.0	13.1	2.5	26.3	21.2	3.7	34.7	27.6	4.3
PNEUMONIA/INFLUENZA	307	14.7	12.7	2.1	20.5	17.8	3.2	26.4	21.4	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	78	5.1	6.5	2.9	15.4	11.5	4.3	17.9	15.6	5.8
TRANSIENT CEREBRAL ISCHEMIA	84	7.1	1.6	4.1	7.1	3.7	4.2	9.5	6.0	4.7
STROKE	279	16.8	16.1	2.3	21.1	21.6	2.5	24.7	25.1	3.3
HIP FRACTURE	215	5.1	5.4	2.0	12.1	9.9	3.2	15.8	13.2	4.2
SEPSIS	65	23.1	20.5	6.3	32.3	29.1	5.9	35.4	34.0	6.0
PROCEDURES:										
ANGIOPLASTY	139	2.9	2.8	1.4	5.8	3.6	2.4	7.2	4.5	2.9
CORONARY ARTERY BYPASS GRAFT	178	3.9	4.7	1.8	4.5	6.7	2.5	5.6	7.7	2.7
INITIAL PACEMAKER INSERTION	42	0.0	2.5	*	2.4	4.9	*	2.4	7.3	*
CAROTID ENDARTERECTOMY	89	0.0	1.4	2.2	1.1	2.6	3.4	3.4	3.9	4.1
HIP REPLACEMENT/RECONSTRUCTION	196	1.5	1.6	1.3	4.1	3.2	2.0	5.6	4.5	2.7
OPEN REDUCTION OF HIP FRACTURE	68	7.4	5.6	3.3	13.2	10.3	6.1	14.7	13.8	8.1
PROSTATECTOMY	323	1.2	0.5	0.7	2.2	1.3	1.1	3.1	2.3	1.5
CHOLECYSTECTOMY	188	1.1	2.6	1.5	2.7	4.6	2.0	2.7	6.0	2.4
HYSTERECTOMY	77	2.6	0.6	2.3	2.6	1.3	2.1	2.6	2.0	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 42,481

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.82	27.41	0.25	0.76	0.01	4.01	4.46	0.10	0.90	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.78	0.93	0.05	0.83	0.04					
CONGESTIVE HEART FAILURE	1.19	1.62	0.06	0.73	0.03					
PNEUMONIA/INFLUENZA	0.91	1.32	0.06	0.69	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.28	0.56	0.04	0.50	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.37	0.03	0.65	0.05					
STROKE	0.78	0.88	0.05	0.88	0.05					
HIP FRACTURE	0.59	0.59	0.04	0.99	0.06					
SEPSIS	0.25	0.34	0.03	0.73	0.06					
PROCEDURES:										
ANGIOPLASTY	0.31	0.32	0.03	0.98	0.08					
CORONARY ARTERY BYPASS GRAFT	0.38	0.42	0.03	0.90	0.07					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.02	0.54	0.06					
CAROTID ENDARTERECTOMY	0.26	0.15	0.02	1.71	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.47	0.03	0.94	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.28	0.03	0.70	0.06					
PROSTATECTOMY	0.85	0.81	0.04	1.06	0.06					
CHOLECYSTECTOMY	0.51	0.48	0.03	1.05	0.07					
HYSTERECTOMY	0.21	0.19	0.02	1.10	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

MEDFORD, OR (4890)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,512	10.3	8.2	0.6	14.6	12.6	0.8	17.9	15.8	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	162	19.8	24.6	4.2	22.2	27.7	4.7	24.1	30.3	5.3
CONGESTIVE HEART FAILURE	210	19.0	14.1	3.6	30.5	22.2	4.5	39.0	28.2	5.7
PNEUMONIA/INFLUENZA	168	16.7	14.1	3.0	19.6	19.6	3.1	22.6	23.4	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	33	6.1	7.3	*	12.1	12.7	*	18.2	16.9	*
TRANSIENT CEREBRAL ISCHEMIA	34	2.9	1.3	*	2.9	2.9	*	11.8	4.7	*
STROKE	177	28.8	18.0	4.2	32.8	24.7	4.0	34.5	28.5	3.8
HIP FRACTURE	137	7.3	5.7	2.4	11.7	10.2	3.0	13.9	13.4	3.1
SEPSIS	42	16.7	17.4	*	21.4	24.3	*	23.8	28.3	*
PROCEDURES:										
ANGIOPLASTY	62	3.2	2.3	2.1	3.2	3.2	2.2	4.8	4.2	2.7
CORONARY ARTERY BYPASS GRAFT	144	2.8	4.4	1.9	3.5	6.0	2.5	4.2	6.8	2.7
INITIAL PACEMAKER INSERTION	30	0.0	2.4	*	0.0	4.8	*	0.0	7.0	*
CAROTID ENDARTERECTOMY	72	1.4	1.3	1.4	2.8	2.4	2.3	4.2	3.6	3.4
HIP REPLACEMENT/RECONSTRUCTION	147	3.4	2.5	1.5	5.4	4.8	1.9	7.5	6.5	2.2
OPEN REDUCTION OF HIP FRACTURE	59	6.8	4.3	3.7	10.2	8.1	4.2	10.2	11.1	4.8
PROSTATECTOMY	189	0.0	0.6	0.8	1.1	1.5	1.1	1.6	2.8	1.7
CHOLECYSTECTOMY	121	2.5	1.5	1.7	2.5	2.8	1.7	5.8	3.9	2.2
HYSTERECTOMY	38	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,940

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.13	27.01	0.32	0.75	0.01	4.35	4.40	0.13	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.94	0.06	0.84	0.05					
CONGESTIVE HEART FAILURE	1.17	1.58	0.08	0.74	0.04					
PNEUMONIA/INFLUENZA	0.88	1.30	0.07	0.67	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.25	0.56	0.05	0.44	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.16	0.36	0.04	0.40	0.04					
STROKE	0.78	0.88	0.06	0.89	0.06					
HIP FRACTURE	0.62	0.57	0.05	1.10	0.09					
SEPSIS	0.23	0.34	0.04	0.74	0.08					
PROCEDURES:										
ANGIOPLASTY	0.21	0.34	0.04	0.61	0.06					
CORONARY ARTERY BYPASS GRAFT	0.38	0.44	0.04	0.85	0.08					
INITIAL PACEMAKER INSERTION	0.09	0.21	0.03	0.44	0.06					
CAROTID ENDARTERECTOMY	0.23	0.15	0.02	1.52	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.56	0.48	0.04	1.21	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.03	0.95	0.11					
PROSTATECTOMY	0.74	0.86	0.06	0.85	0.06					
CHOLECYSTECTOMY	0.47	0.48	0.04	0.99	0.09					
HYSTERECTOMY	0.17	0.19	0.03	0.99	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

PORTLAND, OR (6440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,070	9.6	8.7	0.2	14.1	13.2	0.4	17.5	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,086	23.8	25.5	2.1	27.3	28.5	2.4	30.3	31.3	2.3
CONGESTIVE HEART FAILURE	1,349	17.3	14.7	1.5	26.9	23.1	1.8	32.4	29.3	1.8
PNEUMONIA/INFLUENZA	1,307	14.0	14.8	1.5	20.0	20.4	2.0	24.5	24.2	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	308	10.1	8.7	3.0	17.2	15.0	4.5	22.4	19.7	4.7
TRANSIENT CEREBRAL ISCHEMIA	244	3.7	1.8	1.7	6.1	3.9	2.1	9.0	6.4	2.8
STROKE	1,184	23.4	20.8	1.4	29.6	27.5	1.8	34.0	31.5	2.0
HIP FRACTURE	1,023	8.1	6.8	1.3	13.7	12.1	1.7	17.1	15.7	1.9
SEPSIS	423	22.7	22.9	2.7	31.9	30.5	2.6	36.9	35.1	2.7
PROCEDURES:										
ANGIOPLASTY	454	3.5	3.3	0.9	4.6	4.2	1.1	5.5	5.1	1.3
CORONARY ARTERY BYPASS GRAFT	633	7.4	5.6	1.5	8.5	8.1	1.3	9.5	9.2	1.3
INITIAL PACEMAKER INSERTION	253	2.0	3.0	1.7	4.3	5.8	2.5	8.7	8.4	3.1
CAROTID ENDARTERECTOMY	294	0.7	1.4	1.0	0.7	2.5	1.4	2.0	3.7	1.6
HIP REPLACEMENT/RECONSTRUCTION	904	2.9	3.0	0.9	6.0	5.5	1.2	8.2	7.4	1.6
OPEN REDUCTION OF HIP FRACTURE	471	9.1	6.4	1.9	14.6	11.6	2.3	18.3	15.3	2.5
PROSTATECTOMY	1,245	0.7	0.8	0.3	1.6	1.9	0.5	2.8	3.2	0.6
CHOLECYSTECTOMY	633	3.8	2.6	1.1	6.0	4.9	1.2	7.3	6.6	1.1
HYSTERECTOMY	351	0.6	0.8	0.6	0.9	1.8	0.8	1.1	2.8	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 170,465

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.26	27.47	0.13	0.81	0.00	4.76	4.72	0.05	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.89	0.02	0.86	0.02					
CONGESTIVE HEART FAILURE	1.22	1.65	0.03	0.74	0.01					
PNEUMONIA/INFLUENZA	0.98	1.32	0.03	0.75	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.51	0.02	0.58	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.16	0.36	0.01	0.46	0.02					
STROKE	0.84	0.90	0.02	0.93	0.02					
HIP FRACTURE	0.68	0.66	0.02	1.03	0.03					
SEPSIS	0.34	0.35	0.01	0.96	0.04					
PROCEDURES:										
ANGIOPLASTY	0.22	0.29	0.01	0.77	0.04					
CORONARY ARTERY BYPASS GRAFT	0.28	0.38	0.01	0.73	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.75	0.04					
CAROTID ENDARTERECTOMY	0.15	0.12	0.01	1.29	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.48	0.02	1.09	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.31	0.01	0.98	0.04					
PROSTATECTOMY	0.71	0.74	0.02	0.96	0.03					
CHOLECYSTECTOMY	0.38	0.44	0.02	0.87	0.03					
HYSTERECTOMY	0.18	0.18	0.01	0.98	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SALEM, OR (7080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,007	10.0	8.9	0.4	15.0	13.5	0.7	18.3	16.9	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	234	29.9	26.5	3.3	31.6	29.4	3.2	33.8	32.0	3.3
CONGESTIVE HEART FAILURE	338	13.6	14.7	2.1	24.9	23.4	2.7	32.0	29.7	3.1
PNEUMONIA/INFLUENZA	278	16.5	13.9	2.6	22.7	19.4	2.8	25.5	23.2	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	65	15.4	8.6	6.9	20.0	14.7	7.7	26.2	19.4	7.3
TRANSIENT CEREBRAL ISCHEMIA	53	0.0	2.4	3.7	3.8	5.4	4.7	9.4	8.7	5.1
STROKE	278	17.3	19.6	3.7	22.7	25.5	3.8	25.2	29.2	4.1
HIP FRACTURE	220	7.7	5.8	2.4	11.8	10.5	2.8	15.0	14.1	3.7
SEPSIS	53	22.6	21.0	6.2	34.0	28.5	7.7	35.8	33.5	9.4
PROCEDURES:										
ANGIOPLASTY	8	0.0	2.5	*	0.0	3.0	*	0.0	3.7	*
CORONARY ARTERY BYPASS GRAFT	34	2.9	4.7	*	5.9	6.3	*	5.9	7.1	*
INITIAL PACEMAKER INSERTION	38	2.6	3.0	*	5.3	6.2	*	5.3	9.3	*
CAROTID ENDARTERECTOMY	64	1.6	1.4	1.7	3.1	2.5	3.9	10.9	3.8	3.4
HIP REPLACEMENT/RECONSTRUCTION	182	4.4	2.7	2.5	7.1	5.2	2.8	8.2	7.2	2.7
OPEN REDUCTION OF HIP FRACTURE	101	5.0	5.7	2.6	9.9	10.7	3.2	13.9	14.5	4.8
PROSTATECTOMY	239	0.0	0.6	0.6	0.0	1.3	1.0	0.4	2.3	1.3
CHOLECYSTECTOMY	171	1.8	2.2	1.6	5.8	4.3	2.2	7.6	5.9	2.7
HYSTERECTOMY	49	0.0	0.5	*	0.0	1.0	*	0.0	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 46,250

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.33	27.92	0.25	0.76	0.01	4.32	4.73	0.10	0.91	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.93	0.04	0.94	0.05					
CONGESTIVE HEART FAILURE	1.37	1.65	0.06	0.83	0.03					
PNEUMONIA/INFLUENZA	0.94	1.44	0.06	0.66	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.26	0.57	0.03	0.47	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.36	0.03	0.56	0.04					
STROKE	0.83	0.90	0.04	0.92	0.04					
HIP FRACTURE	0.62	0.65	0.04	0.95	0.05					
SEPSIS	0.20	0.35	0.03	0.56	0.04					
PROCEDURES:										
ANGIOPLASTY	0.17	0.30	0.03	0.53	0.05					
CORONARY ARTERY BYPASS GRAFT	0.33	0.38	0.03	0.86	0.06					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.02	0.77	0.08					
CAROTID ENDARTERECTOMY	0.16	0.13	0.02	1.20	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.48	0.03	1.07	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.31	0.03	0.92	0.08					
PROSTATECTOMY	0.65	0.77	0.04	0.84	0.04					
CHOLECYSTECTOMY	0.50	0.47	0.03	1.05	0.07					
HYSTERECTOMY	0.17	0.18	0.02	0.89	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

OR-(NONMSA) (99OR)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	21,571	9.5	8.7	0.2	13.7	13.1	0.3	17.1	16.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	886	24.6	24.6	1.4	27.8	27.4	1.9	30.0	30.1	1.8
CONGESTIVE HEART FAILURE	983	16.8	14.8	1.4	25.2	23.2	1.5	32.9	29.4	1.9
PNEUMONIA/INFLUENZA	1,282	13.2	14.2	1.1	18.4	19.7	1.4	23.4	23.4	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	359	10.3	7.5	2.2	15.6	13.1	2.3	19.8	17.6	2.4
TRANSIENT CEREBRAL ISCHEMIA	218	3.7	1.9	1.7	6.4	4.3	2.7	9.2	6.9	3.1
STROKE	841	22.9	19.3	1.8	29.1	25.4	1.9	34.1	29.2	2.1
HIP FRACTURE	656	8.4	6.6	1.7	13.4	11.6	1.9	16.3	15.1	2.0
SEPSIS	227	18.1	24.0	5.1	26.0	30.6	5.9	30.4	34.8	5.9
PROCEDURES:										
ANGIOPLASTY	92	4.3	5.7	2.7	6.5	6.8	2.6	8.7	8.0	3.3
CORONARY ARTERY BYPASS GRAFT	65	6.2	5.2	2.8	6.2	6.9	3.2	6.2	7.8	3.5
INITIAL PACEMAKER INSERTION	99	5.1	3.5	2.7	7.1	6.4	3.0	10.1	9.1	3.8
CAROTID ENDARTERECTOMY	143	4.2	1.4	1.7	4.9	2.6	1.7	4.9	3.9	1.9
HIP REPLACEMENT/RECONSTRUCTION	539	3.7	2.7	1.2	6.1	5.1	1.4	7.1	6.9	1.3
OPEN REDUCTION OF HIP FRACTURE	338	8.0	5.8	2.4	13.0	10.7	2.9	17.2	14.3	2.9
PROSTATECTOMY	1,069	0.6	0.8	0.3	1.2	1.9	0.7	2.8	3.3	0.8
CHOLECYSTECTOMY	618	3.4	2.3	1.1	4.9	4.2	1.1	7.1	5.5	1.6
HYSTERECTOMY	237	1.7	0.7	1.3	2.1	1.6	1.3	3.0	2.6	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 159,211

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.95	27.47	0.13	0.87	0.00	4.32	4.35	0.05	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.95	0.02	0.98	0.03					
CONGESTIVE HEART FAILURE	1.16	1.59	0.03	0.73	0.01					
PNEUMONIA/INFLUENZA	1.24	1.37	0.03	0.91	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.58	0.02	0.70	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.36	0.01	0.58	0.03					
STROKE	0.78	0.88	0.02	0.88	0.02					
HIP FRACTURE	0.53	0.56	0.02	0.95	0.03					
SEPSIS	0.22	0.33	0.01	0.69	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.33	0.01	0.92	0.04					
CORONARY ARTERY BYPASS GRAFT	0.40	0.44	0.02	0.89	0.03					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.71	0.04					
CAROTID ENDARTERECTOMY	0.21	0.15	0.01	1.25	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.47	0.02	1.13	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.01	0.97	0.05					
PROSTATECTOMY	0.93	0.88	0.02	1.05	0.03					
CHOLECYSTECTOMY	0.52	0.50	0.02	1.04	0.04					
HYSTERECTOMY	0.18	0.19	0.01	1.05	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

ALLENTOWN-BETHLEHEM, PA-NJ (0240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24,247	8.1	9.3	0.2	12.7	14.1	0.3	16.1	17.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	743	23.4	25.4	2.8	28.3	28.6	3.1	30.3	31.4	2.9
CONGESTIVE HEART FAILURE	1,224	14.5	15.0	1.3	22.2	23.6	2.1	28.8	29.9	2.5
PNEUMONIA/INFLUENZA	777	14.7	17.7	2.1	22.9	24.0	2.9	27.5	28.1	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	417	7.2	9.3	2.1	13.9	16.0	3.2	18.7	21.0	3.1
TRANSIENT CEREBRAL ISCHEMIA	496	1.0	1.9	1.2	3.2	4.3	1.3	4.8	6.9	2.1
STROKE	840	20.1	19.9	1.4	24.9	26.5	1.9	28.8	30.3	2.1
HIP FRACTURE	514	6.0	7.2	2.1	11.1	12.5	2.1	15.0	16.1	2.1
SEPSIS	315	23.2	25.5	2.7	30.8	32.9	3.2	34.0	37.5	3.6
PROCEDURES:										
ANGIOPLASTY	181	0.6	3.2	1.6	2.2	4.4	1.7	3.9	5.4	1.8
CORONARY ARTERY BYPASS GRAFT	439	5.2	6.9	1.6	6.8	10.2	2.1	7.7	11.6	2.3
INITIAL PACEMAKER INSERTION	224	4.5	3.4	1.5	5.4	6.3	1.9	8.5	9.1	2.6
CAROTID ENDARTERECTOMY	129	0.8	1.7	1.5	1.6	3.1	2.4	2.3	4.4	3.3
HIP REPLACEMENT/RECONSTRUCTION	349	3.7	3.9	1.8	6.6	7.3	2.4	8.3	9.7	2.6
OPEN REDUCTION OF HIP FRACTURE	292	5.1	6.4	2.1	8.9	11.4	2.8	14.7	15.0	2.1
PROSTATECTOMY	745	1.2	1.2	0.4	3.1	2.8	0.9	4.0	4.6	1.0
CHOLECYSTECTOMY	466	2.6	3.0	1.1	5.2	5.5	1.8	6.7	7.3	1.9
HYSTERECTOMY	189	2.1	1.2	1.6	2.6	2.7	1.4	5.8	4.1	2.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 119,131

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.82	27.13	0.15	1.14	0.01	4.52	4.45	0.06	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.90	0.03	1.02	0.03					
CONGESTIVE HEART FAILURE	1.99	1.63	0.04	1.22	0.03					
PNEUMONIA/INFLUENZA	0.99	1.22	0.03	0.81	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.52	0.02	1.15	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.58	0.38	0.02	1.54	0.07					
STROKE	0.94	0.87	0.03	1.08	0.03					
HIP FRACTURE	0.55	0.61	0.02	0.90	0.03					
SEPSIS	0.43	0.34	0.02	1.30	0.07					
PROCEDURES:										
ANGIOPLASTY	0.26	0.30	0.02	0.88	0.05					
CORONARY ARTERY BYPASS GRAFT	0.51	0.41	0.02	1.24	0.06					
INITIAL PACEMAKER INSERTION	0.28	0.20	0.01	1.39	0.09					
CAROTID ENDARTERECTOMY	0.15	0.13	0.01	1.14	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.46	0.02	0.85	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.02	1.04	0.06					
PROSTATECTOMY	0.80	0.75	0.02	1.07	0.04					
CHOLECYSTECTOMY	0.51	0.46	0.02	1.11	0.05					
HYSTERECTOMY	0.17	0.19	0.01	0.91	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ALTOONA, PA (0280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	5,631	10.0	9.8	0.7	15.2	14.6	0.9	18.8	18.2	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	234	22.6	28.4	3.7	29.5	31.5	3.5	31.2	34.3	3.3
CONGESTIVE HEART FAILURE	333	19.8	14.7	2.9	28.8	23.4	3.1	34.8	29.6	3.3
PNEUMONIA/INFLUENZA	211	19.0	16.8	3.2	25.6	22.7	3.3	29.9	26.6	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	139	5.8	9.4	3.4	11.5	15.4	3.7	17.3	19.7	3.7
TRANSIENT CEREBRAL ISCHEMIA	100	2.0	1.8	1.4	5.0	4.0	2.5	7.0	6.5	2.9
STROKE	241	20.3	19.3	2.7	25.7	25.9	3.0	27.8	29.7	3.4
HIP FRACTURE	166	9.6	7.0	2.6	13.9	12.4	2.7	16.3	16.1	2.9
SEPSIS	66	19.7	24.7	6.0	30.3	32.0	5.9	33.3	36.6	6.3
PROCEDURES:										
ANGIOPLASTY	2	0.0	3.8	*	0.0	4.3	*	0.0	5.0	*
CORONARY ARTERY BYPASS GRAFT	96	0.0	4.9	*	0.0	7.2	*	0.0	8.4	*
INITIAL PACEMAKER INSERTION	43	7.0	3.3	*	9.3	6.8	*	11.6	10.0	*
CAROTID ENDARTERECTOMY	25	8.0	1.5	*	8.0	2.6	*	8.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	109	6.4	4.9	3.0	11.0	9.3	3.2	12.8	12.5	3.2
OPEN REDUCTION OF HIP FRACTURE	82	7.3	6.1	3.5	12.2	11.1	3.7	14.6	14.9	4.0
PROSTATECTOMY	171	2.3	1.4	1.4	2.3	3.1	1.7	5.3	5.1	2.1
CHOLECYSTECTOMY	135	3.7	2.7	2.1	6.7	4.8	3.6	8.9	6.4	4.1
HYSTERECTOMY	46	2.2	0.6	*	2.2	1.4	*	4.3	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,789

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.74	30.08	0.34	0.96	0.01	5.08	4.66	0.13	1.09	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.15	1.01	0.06	1.13	0.07					
CONGESTIVE HEART FAILURE	2.03	1.85	0.08	1.10	0.05					
PNEUMONIA/INFLUENZA	1.07	1.49	0.08	0.72	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.79	0.65	0.05	1.19	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.45	0.04	1.16	0.11					
STROKE	1.09	0.95	0.06	1.14	0.07					
HIP FRACTURE	0.69	0.67	0.05	1.03	0.08					
SEPSIS	0.38	0.35	0.04	1.11	0.12					
PROCEDURES:										
ANGIOPLASTY	0.09	0.30	0.03	0.27	0.03					
CORONARY ARTERY BYPASS GRAFT	0.45	0.42	0.04	1.04	0.10					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.03	0.82	0.12					
CAROTID ENDARTERECTOMY	0.11	0.15	0.02	0.70	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.49	0.04	0.95	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.30	0.03	1.13	0.13					
PROSTATECTOMY	0.69	0.75	0.05	0.96	0.07					
CHOLECYSTECTOMY	0.58	0.53	0.04	1.11	0.10					
HYSTERECTOMY	0.19	0.19	0.03	0.95	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

BEAVER COUNTY, PA (0845)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,520	9.1	8.9	0.4	14.0	13.8	0.5	17.2	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	163	19.0	22.8	6.2	22.7	25.8	6.9	26.4	28.5	7.2
CONGESTIVE HEART FAILURE	371	14.6	14.1	2.8	22.9	22.2	2.3	28.6	28.4	2.6
PNEUMONIA/INFLUENZA	306	17.6	15.9	3.6	24.5	21.8	3.6	27.5	25.8	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	80	10.0	8.7	3.5	16.2	14.9	4.3	21.2	19.5	5.9
TRANSIENT CEREBRAL ISCHEMIA	109	1.8	2.4	1.6	5.5	5.2	2.3	8.3	8.2	4.2
STROKE	195	17.4	18.8	5.3	25.6	25.7	3.3	28.7	29.6	3.3
HIP FRACTURE	105	8.6	6.5	3.5	12.4	11.6	3.3	14.3	15.3	3.6
SEPSIS	37	29.7	31.5	*	45.9	38.6	*	48.6	43.5	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	29	3.4	4.2	*	6.9	8.0	*	6.9	11.1	*
CAROTID ENDARTERECTOMY	13	7.7	1.9	*	7.7	3.3	*	7.7	4.7	*
HIP REPLACEMENT/RECONSTRUCTION	81	7.4	3.1	3.9	8.6	6.2	3.4	9.9	8.7	3.6
OPEN REDUCTION OF HIP FRACTURE	62	6.5	5.7	5.9	12.9	10.5	5.0	14.5	14.0	4.5
PROSTATECTOMY	212	0.9	0.9	0.7	1.4	2.1	1.3	2.8	3.5	1.3
CHOLECYSTECTOMY	108	3.7	2.3	2.1	5.6	4.4	2.2	5.6	6.2	2.6
HYSTERECTOMY	35	0.0	0.3	*	0.0	0.6	*	0.0	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 34,881

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.44	28.95	0.29	1.15	0.01	4.62	4.37	0.11	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.06	0.96	0.05	1.10	0.06					
CONGESTIVE HEART FAILURE	2.50	1.77	0.07	1.41	0.06					
PNEUMONIA/INFLUENZA	1.53	1.32	0.06	1.15	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.63	0.04	0.88	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.42	0.03	1.28	0.11					
STROKE	1.01	0.93	0.05	1.08	0.06					
HIP FRACTURE	0.47	0.56	0.04	0.83	0.06					
SEPSIS	0.30	0.36	0.03	0.86	0.08					
PROCEDURES:										
ANGIOPLASTY	0.35	0.33	0.03	1.08	0.10					
CORONARY ARTERY BYPASS GRAFT	0.50	0.46	0.04	1.09	0.09					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.02	0.73	0.09					
CAROTID ENDARTERECTOMY	0.07	0.16	0.02	0.35	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.44	0.04	1.00	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.03	0.97	0.10					
PROSTATECTOMY	0.85	0.80	0.05	1.07	0.06					
CHOLECYSTECTOMY	0.62	0.51	0.04	1.21	0.09					
HYSTERECTOMY	0.19	0.19	0.02	1.05	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

ERIE, PA (2360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,507	9.0	8.8	0.3	13.8	13.3	0.5	17.3	16.6	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	286	26.9	26.0	3.1	30.1	28.7	2.9	32.9	31.3	3.0
CONGESTIVE HEART FAILURE	509	16.9	14.4	2.2	25.3	22.8	3.2	32.6	29.2	3.7
PNEUMONIA/INFLUENZA	352	17.0	16.2	2.6	25.0	21.9	3.8	29.3	25.8	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	234	6.0	9.2	2.8	14.1	15.6	2.8	19.7	20.4	2.8
TRANSIENT CEREBRAL ISCHEMIA	147	2.7	1.6	1.5	3.4	3.6	2.0	4.8	5.8	2.8
STROKE	320	20.0	19.2	3.8	26.9	25.9	3.3	30.9	29.8	3.7
HIP FRACTURE	230	7.0	6.9	1.9	12.6	12.1	2.4	16.1	15.5	2.5
SEPSIS	85	20.0	24.0	8.8	27.1	31.4	10.1	34.1	36.2	11.5
PROCEDURES:										
ANGIOPLASTY	129	3.1	2.9	1.6	3.1	3.9	2.0	4.7	4.8	2.0
CORONARY ARTERY BYPASS GRAFT	228	6.1	6.2	1.7	9.2	8.8	2.4	9.6	9.9	2.3
INITIAL PACEMAKER INSERTION	83	6.0	3.7	2.6	7.2	7.0	2.9	9.6	9.9	3.4
CAROTID ENDARTERECTOMY	65	1.5	1.7	1.6	3.1	3.2	2.2	3.1	4.7	3.0
HIP REPLACEMENT/RECONSTRUCTION	198	5.1	3.8	2.2	9.6	7.1	3.1	12.6	9.4	3.8
OPEN REDUCTION OF HIP FRACTURE	67	4.5	6.5	5.2	13.4	11.6	4.3	14.9	15.0	4.4
PROSTATECTOMY	225	0.4	1.0	0.7	1.3	2.3	1.1	1.8	3.8	1.6
CHOLECYSTECTOMY	168	3.6	3.0	1.5	6.0	5.2	1.9	7.1	6.6	2.2
HYSTERECTOMY	86	1.2	0.7	1.3	2.3	1.4	2.4	2.3	2.1	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 43,958

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.29	28.32	0.25	0.96	0.01	4.71	4.45	0.10	1.06	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.92	0.05	0.82	0.04					
CONGESTIVE HEART FAILURE	1.79	1.72	0.06	1.04	0.04					
PNEUMONIA/INFLUENZA	1.08	1.31	0.05	0.83	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.81	0.58	0.04	1.38	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.40	0.03	1.09	0.08					
STROKE	0.90	0.90	0.04	0.99	0.05					
HIP FRACTURE	0.59	0.59	0.04	1.01	0.06					
SEPSIS	0.28	0.35	0.03	0.81	0.07					
PROCEDURES:										
ANGIOPLASTY	0.16	0.31	0.03	0.52	0.05					
CORONARY ARTERY BYPASS GRAFT	0.35	0.42	0.03	0.79	0.06					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.02	**	**					
CAROTID ENDARTERECTOMY	0.11	0.14	0.02	0.82	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.45	0.03	1.02	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.18	0.28	0.03	0.61	0.06					
PROSTATECTOMY	0.57	0.75	0.04	0.76	0.04					
CHOLECYSTECTOMY	0.46	0.48	0.03	0.95	0.07					
HYSTERECTOMY	0.21	0.19	0.02	1.18	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

HARRISBURG-LEBANON-CARLISE, PA (3240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES................................	18,358	9.0	8.7	0.2	13.9	13.2	0.4	17.3	16.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	587	28.8	26.4	2.1	33.2	29.3	2.4	36.3	32.0	2.6
CONGESTIVE HEART FAILURE...................	928	14.0	14.6	1.6	25.0	22.9	1.8	32.5	29.1	2.0
PNEUMONIA/INFLUENZA........................	674	16.9	15.8	2.5	23.6	21.6	2.4	27.0	25.6	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.......	273	13.2	8.5	2.7	20.1	14.7	3.3	24.5	19.3	3.5
TRANSIENT CEREBRAL ISCHEMIA................	272	2.2	1.8	0.9	4.4	4.0	1.4	6.6	6.5	1.9
STROKE.....................................	663	21.3	20.4	2.2	28.2	26.4	2.4	31.5	30.2	2.1
HIP FRACTURE...............................	513	7.4	6.5	1.7	12.7	11.6	1.7	16.2	15.2	1.8
SEPSIS.....................................	253	31.6	26.6	3.5	43.5	34.5	4.6	48.2	39.4	4.6
PROCEDURES:										
ANGIOPLASTY................................	222	1.4	2.6	1.3	1.8	3.4	1.6	3.2	4.2	1.5
CORONARY ARTERY BYPASS GRAFT...............	315	8.3	5.6	2.3	10.5	8.1	2.1	12.4	9.1	2.6
INITIAL PACEMAKER INSERTION................	137	2.9	3.0	1.6	5.8	5.9	2.0	8.8	8.6	2.9
CAROTID ENDARTERECTOMY.....................	104	1.0	1.5	1.3	1.9	2.8	1.8	2.9	4.0	2.1
HIP REPLACEMENT/RECONSTRUCTION.............	384	3.6	3.1	0.9	8.1	5.8	1.8	10.4	7.7	2.1
OPEN REDUCTION OF HIP FRACTURE.............	284	6.7	5.9	1.6	9.9	10.9	2.3	12.7	14.6	3.1
PROSTATECTOMY..............................	543	0.6	1.1	0.6	1.7	2.6	1.1	3.3	4.3	1.4
CHOLECYSTECTOMY............................	376	3.7	3.1	1.7	4.5	5.8	1.6	7.4	7.7	1.4
HYSTERECTOMY...............................	157	0.0	0.9	0.8	1.9	2.0	1.8	1.9	3.2	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 91,980

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES.....................................	25.96	27.44	0.17	0.95	0.01	4.67	4.55	0.07	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION..................	0.91	0.89	0.03	1.02	0.04					
CONGESTIVE HEART FAILURE.....................	1.67	1.68	0.04	1.00	0.02					
PNEUMONIA/INFLUENZA..........................	1.00	1.19	0.04	0.83	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.51	0.51	0.02	**	**					
TRANSIENT CEREBRAL ISCHEMIA..................	0.39	0.38	0.02	1.01	0.05					
STROKE.......................................	0.88	0.90	0.03	0.98	0.03					
HIP FRACTURE.................................	0.63	0.61	0.03	1.05	0.04					
SEPSIS.......................................	0.41	0.36	0.02	1.11	0.06					
PROCEDURES:										
ANGIOPLASTY..................................	0.31	0.29	0.02	1.05	0.07					
CORONARY ARTERY BYPASS GRAFT.................	0.39	0.41	0.02	0.96	0.05					
INITIAL PACEMAKER INSERTION..................	0.20	0.21	0.01	0.96	0.07					
CAROTID ENDARTERECTOMY.......................	0.13	0.13	0.01	0.98	0.10					
HIP REPLACEMENT/RECONSTRUCTION...............	0.43	0.46	0.02	0.95	0.05					
OPEN REDUCTION OF HIP FRACTURE...............	0.34	0.29	0.02	1.17	0.07					
PROSTATECTOMY................................	0.69	0.75	0.03	0.92	0.03					
CHOLECYSTECTOMY..............................	0.47	0.44	0.02	1.06	0.05					
HYSTERECTOMY.................................	0.18	0.18	0.01	0.97	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

JOHNSTOWN, PA (3680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,958	8.0	8.8	0.3	12.4	13.4	0.4	15.3	16.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	300	23.3	26.0	3.5	28.7	29.0	2.8	31.7	31.7	2.7
CONGESTIVE HEART FAILURE	588	13.4	14.6	1.8	23.6	23.2	1.8	29.4	29.4	1.9
PNEUMONIA/INFLUENZA	429	13.3	15.5	2.7	19.1	21.4	2.8	23.3	25.6	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	145	4.1	10.5	3.4	9.7	17.9	4.3	14.5	23.2	4.4
TRANSIENT CEREBRAL ISCHEMIA	248	2.0	2.1	0.9	2.8	4.6	1.6	4.0	7.2	2.1
STROKE	361	15.5	19.3	3.0	22.2	26.3	3.5	26.6	30.2	3.3
HIP FRACTURE	173	8.7	7.7	2.3	14.5	13.4	3.2	16.2	17.4	3.5
SEPSIS	119	16.0	24.4	5.1	21.0	32.2	6.1	26.1	37.0	6.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	89	3.4	3.4	2.0	9.0	6.8	3.2	10.1	10.0	3.4
CAROTID ENDARTERECTOMY	48	2.1	1.9	*	2.1	3.5	*	2.1	5.0	*
HIP REPLACEMENT/RECONSTRUCTION	114	1.8	3.5	2.0	3.5	6.4	3.2	4.4	8.6	3.9
OPEN REDUCTION OF HIP FRACTURE	57	10.5	6.0	4.3	12.3	11.0	4.5	14.0	14.5	4.7
PROSTATECTOMY	256	0.4	1.3	1.0	0.8	3.0	2.2	4.3	5.0	1.5
CHOLECYSTECTOMY	191	1.0	2.3	1.6	2.6	4.0	2.3	2.6	5.2	2.6
HYSTERECTOMY	58	1.7	0.8	1.7	3.4	1.7	2.6	5.2	2.6	3.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 48,655

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.91	30.55	0.25	1.18	0.01	4.40	4.50	0.10	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.14	1.03	0.05	1.09	0.05					
CONGESTIVE HEART FAILURE	2.41	1.84	0.06	1.31	0.04					
PNEUMONIA/INFLUENZA	1.37	1.55	0.06	0.89	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.68	0.04	0.87	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.79	0.45	0.03	1.71	0.12					
STROKE	1.05	0.95	0.04	1.08	0.05					
HIP FRACTURE	0.51	0.61	0.04	0.83	0.05					
SEPSIS	0.40	0.34	0.03	1.15	0.10					
PROCEDURES:										
ANGIOPLASTY	0.26	0.31	0.03	0.80	0.07					
CORONARY ARTERY BYPASS GRAFT	0.49	0.45	0.03	1.07	0.08					
INITIAL PACEMAKER INSERTION	0.31	0.20	0.02	1.53	0.17					
CAROTID ENDARTERECTOMY	0.17	0.16	0.02	1.10	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.47	0.03	0.82	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.17	0.28	0.02	0.58	0.05					
PROSTATECTOMY	0.73	0.78	0.04	0.92	0.05					
CHOLECYSTECTOMY	0.56	0.56	0.03	0.94	0.06					
HYSTERECTOMY	0.16	0.19	0.02	0.80	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

LANCASTER, PA (4000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,902	8.1	8.1	0.3	12.5	12.3	0.4	15.5	15.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	328	25.6	27.1	2.7	29.9	30.0	2.6	31.7	32.7	2.8
CONGESTIVE HEART FAILURE	556	16.4	14.5	2.3	25.0	22.7	2.3	31.8	28.9	2.7
PNEUMONIA/INFLUENZA	331	14.2	15.2	2.9	18.7	20.9	3.2	22.4	24.8	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	151	9.9	7.8	2.7	17.2	13.4	3.5	23.8	17.8	4.6
TRANSIENT CEREBRAL ISCHEMIA	184	2.7	2.0	1.5	6.0	4.2	2.4	7.1	6.7	2.6
STROKE	359	20.3	20.9	2.3	27.0	27.6	3.7	29.8	31.5	3.7
HIP FRACTURE	315	3.8	6.1	2.2	9.8	10.8	2.5	13.3	14.1	2.3
SEPSIS	131	24.4	26.1	4.0	30.5	33.9	4.6	32.8	38.5	5.0
PROCEDURES:										
ANGIOPLASTY	176	5.7	4.9	2.9	8.0	6.0	3.7	9.7	7.1	3.4
CORONARY ARTERY BYPASS GRAFT	289	3.8	6.1	2.1	6.2	8.8	2.7	6.9	10.0	2.9
INITIAL PACEMAKER INSERTION	183	3.3	2.8	1.3	5.5	5.6	1.7	8.2	8.3	2.4
CAROTID ENDARTERECTOMY	35	2.9	1.9	*	5.7	3.4	*	5.7	5.1	*
HIP REPLACEMENT/RECONSTRUCTION	250	0.8	2.8	1.9	3.6	5.3	2.3	5.6	7.1	2.6
OPEN REDUCTION OF HIP FRACTURE	167	3.6	5.6	4.1	8.4	10.3	4.5	12.6	13.7	3.3
PROSTATECTOMY	364	0.5	1.3	0.9	1.6	3.0	1.4	3.6	4.9	1.8
CHOLECYSTECTOMY	241	3.7	2.1	1.7	5.4	3.9	2.2	7.1	5.2	2.2
HYSTERECTOMY	112	1.8	0.9	1.8	2.7	2.0	2.5	3.6	3.1	3.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 60,632

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.22	26.67	0.21	0.95	0.01	4.62	4.63	0.09	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.88	0.04	0.83	0.04					
CONGESTIVE HEART FAILURE	1.42	1.59	0.05	0.89	0.03					
PNEUMONIA/INFLUENZA	0.81	1.21	0.04	0.68	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.47	0.03	0.93	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.35	0.02	1.11	0.08					
STROKE	0.76	0.88	0.04	0.85	0.04					
HIP FRACTURE	0.68	0.64	0.03	1.04	0.05					
SEPSIS	0.31	0.34	0.02	0.92	0.07					
PROCEDURES:										
ANGIOPLASTY	0.41	0.28	0.02	1.36	0.11					
CORONARY ARTERY BYPASS GRAFT	0.63	0.39	0.02	1.59	0.11					
INITIAL PACEMAKER INSERTION	0.37	0.21	0.02	1.75	0.17					
CAROTID ENDARTERECTOMY	0.06	0.12	0.01	0.48	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.49	0.03	1.06	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.31	0.02	1.16	0.09					
PROSTATECTOMY	0.73	0.77	0.04	0.95	0.04					
CHOLECYSTECTOMY	0.46	0.43	0.03	1.05	0.07					
HYSTERECTOMY	0.20	0.19	0.02	1.05	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

PHILADELPHIA, PA-NJ (6160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	147,566	8.4	9.2	0.2	13.8	14.1	0.1	17.5	17.7	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,122	22.5	25.8	0.9	26.8	29.0	0.7	29.9	31.8	0.9
CONGESTIVE HEART FAILURE	7,970	11.8	14.8	0.5	21.2	23.6	0.6	27.3	29.8	0.6
PNEUMONIA/INFLUENZA	5,126	16.1	16.9	0.6	23.4	23.2	0.6	28.1	27.2	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,432	7.6	9.1	0.9	14.2	15.8	1.0	19.8	20.6	1.2
TRANSIENT CEREBRAL ISCHEMIA	2,769	1.6	1.8	0.3	3.3	4.0	0.6	5.2	6.5	0.9
STROKE	5,548	17.0	19.7	0.9	24.6	26.4	0.7	28.5	30.2	0.8
HIP FRACTURE	3,203	6.0	6.7	0.5	12.0	11.9	0.8	15.6	15.5	0.6
SEPSIS	1,986	28.3	27.3	1.2	38.7	35.8	1.9	44.6	40.6	2.6
PROCEDURES:										
ANGIOPLASTY	1,095	2.4	2.6	0.6	3.6	3.6	0.6	4.5	4.6	0.7
CORONARY ARTERY BYPASS GRAFT	1,992	5.9	5.8	0.8	8.9	8.7	0.8	10.3	9.9	0.9
INITIAL PACEMAKER INSERTION	1,081	2.8	3.5	1.1	7.8	6.7	1.2	10.4	9.6	1.1
CAROTID ENDARTERECTOMY	478	1.3	1.5	0.6	1.5	2.8	1.3	3.1	4.1	1.3
HIP REPLACEMENT/RECONSTRUCTION	2,269	2.6	3.1	0.5	6.5	5.8	0.7	8.3	7.8	0.6
OPEN REDUCTION OF HIP FRACTURE	1,771	5.8	6.2	0.6	11.4	11.4	0.8	15.2	15.1	0.9
PROSTATECTOMY	4,383	0.9	1.1	0.2	2.5	2.6	0.4	3.9	4.3	0.5
CHOLECYSTECTOMY	2,092	2.8	3.1	0.5	5.9	5.6	0.7	7.5	7.4	0.6
HYSTERECTOMY	957	0.3	0.7	0.3	1.5	1.7	1.0	2.2	2.7	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 731,443

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.61	28.02	0.06	1.13	0.00	4.83	4.70	0.02	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.83	0.01	1.12	0.01					
CONGESTIVE HEART FAILURE	2.13	1.77	0.02	1.21	0.01					
PNEUMONIA/INFLUENZA	1.10	1.16	0.01	0.95	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.48	0.01	1.26	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.39	0.01	1.38	0.03					
STROKE	1.08	0.96	0.01	1.12	0.01					
HIP FRACTURE	0.60	0.58	0.01	1.02	0.02					
SEPSIS	0.47	0.41	0.01	1.15	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.93	0.02					
CORONARY ARTERY BYPASS GRAFT	0.39	0.37	0.01	1.06	0.02					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.00	1.06	0.03					
CAROTID ENDARTERECTOMY	0.09	0.11	0.00	0.89	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.41	0.01	0.94	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.01	1.13	0.02					
PROSTATECTOMY	0.77	0.71	0.01	1.08	0.01					
CHOLECYSTECTOMY	0.36	0.39	0.01	0.91	0.02					
HYSTERECTOMY	0.15	0.17	0.00	0.90	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

PITTSBURGH, PA (6280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	96,842	8.1	9.0	0.2	13.0	13.9	0.1	16.4	17.4	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,017	23.9	25.4	1.4	28.1	28.7	1.6	30.7	31.5	1.4
CONGESTIVE HEART FAILURE	5,314	13.6	15.2	0.7	23.0	24.0	0.7	29.5	30.4	0.8
PNEUMONIA/INFLUENZA	3,741	15.1	16.6	1.2	21.8	22.8	1.0	26.1	26.8	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,871	6.7	8.7	0.8	13.8	14.9	1.4	17.3	19.6	1.1
TRANSIENT CEREBRAL ISCHEMIA	1,745	1.9	1.8	0.3	4.0	4.1	0.5	6.6	6.7	0.6
STROKE	3,426	18.4	20.0	0.9	25.5	26.7	1.1	28.8	30.5	1.2
HIP FRACTURE	1,764	7.1	7.0	0.7	12.1	12.2	1.1	15.9	15.8	1.0
SEPSIS	1,048	25.0	26.8	1.8	33.0	35.3	2.2	38.7	40.2	2.8
PROCEDURES:										
ANGIOPLASTY	1,048	2.6	2.9	0.6	3.5	4.0	0.7	4.9	5.0	0.7
CORONARY ARTERY BYPASS GRAFT	1,325	5.4	6.3	1.1	8.3	9.3	1.2	9.6	10.6	1.2
INITIAL PACEMAKER INSERTION	797	4.3	3.9	0.8	8.4	7.4	1.3	11.3	10.4	1.3
CAROTID ENDARTERECTOMY	279	1.4	1.7	0.8	3.2	3.1	1.3	4.7	4.5	1.5
HIP REPLACEMENT/RECONSTRUCTION	1,396	3.8	3.3	0.9	7.1	6.1	1.3	9.0	8.2	1.5
OPEN REDUCTION OF HIP FRACTURE	960	6.4	6.3	0.8	10.9	11.4	1.2	14.4	15.0	1.3
PROSTATECTOMY	2,425	1.1	1.2	0.4	2.5	2.8	0.6	3.5	4.6	0.6
CHOLECYSTECTOMY	1,690	2.8	3.2	0.5	5.3	5.8	0.7	7.0	7.8	0.9
HYSTERECTOMY	696	0.3	0.8	0.4	1.4	1.7	0.8	2.7	2.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 398,513

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.24	28.50	0.08	1.24	0.00	4.85	4.53	0.03	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.12	0.92	0.01	1.21	0.02					
CONGESTIVE HEART FAILURE	2.46	1.75	0.02	1.41	0.02					
PNEUMONIA/INFLUENZA	1.39	1.26	0.02	1.10	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.81	0.55	0.01	1.45	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.60	0.41	0.01	1.46	0.04					
STROKE	1.15	0.93	0.01	1.23	0.02					
HIP FRACTURE	0.58	0.59	0.01	0.99	0.02					
SEPSIS	0.42	0.37	0.01	1.12	0.03					
PROCEDURES:										
ANGIOPLASTY	0.35	0.30	0.01	1.15	0.03					
CORONARY ARTERY BYPASS GRAFT	0.42	0.42	0.01	0.99	0.02					
INITIAL PACEMAKER INSERTION	0.26	0.21	0.01	1.24	0.04					
CAROTID ENDARTERECTOMY	0.09	0.14	0.01	0.64	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.45	0.01	0.93	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.29	0.01	1.10	0.03					
PROSTATECTOMY	0.72	0.75	0.01	0.96	0.02					
CHOLECYSTECTOMY	0.49	0.47	0.01	1.06	0.02					
HYSTERECTOMY	0.18	0.19	0.01	0.98	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

READING, PA (6680)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	9,645	8.3	8.6	0.4	13.2	12.9	0.4	16.5	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	382	19.1	23.6	3.0	22.3	26.6	2.8	25.7	29.3	2.9
CONGESTIVE HEART FAILURE	430	12.6	14.3	2.3	20.0	22.3	2.7	26.5	28.3	2.5
PNEUMONIA/INFLUENZA	336	13.7	15.0	2.3	20.5	20.4	2.3	24.1	24.2	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	44	9.1	8.6	*	15.9	14.6	*	22.7	19.2	*
TRANSIENT CEREBRAL ISCHEMIA	175	2.3	1.6	1.4	4.6	3.7	1.5	6.3	6.1	2.0
STROKE	419	21.0	20.9	2.1	27.4	27.3	2.2	31.5	31.1	2.3
HIP FRACTURE	217	6.0	6.7	2.1	10.6	12.0	3.3	14.3	15.7	3.0
SEPSIS	153	16.3	26.8	4.9	27.5	33.7	5.1	32.0	38.3	4.5
PROCEDURES:										
ANGIOPLASTY	156	1.9	3.8	2.9	2.6	4.8	3.3	3.2	5.8	3.6
CORONARY ARTERY BYPASS GRAFT	204	4.9	6.9	3.4	7.4	9.6	4.3	7.8	10.7	4.4
INITIAL PACEMAKER INSERTION	75	1.3	2.8	2.1	2.7	5.4	3.2	5.3	7.8	4.0
CAROTID ENDARTERECTOMY	82	1.2	1.3	1.4	1.2	2.3	1.9	3.7	3.4	2.1
HIP REPLACEMENT/RECONSTRUCTION	199	4.5	3.0	1.6	7.0	5.6	1.9	8.5	7.6	2.0
OPEN REDUCTION OF HIP FRACTURE	125	3.2	6.3	3.0	8.0	11.5	3.5	13.6	15.4	3.4
PROSTATECTOMY	316	0.3	1.1	1.0	2.5	2.6	1.7	2.5	4.4	2.3
CHOLECYSTECTOMY	211	6.2	3.1	2.1	8.5	6.0	2.2	11.8	8.2	2.8
HYSTERECTOMY	90	0.0	0.6	1.2	2.2	1.4	1.3	3.3	2.1	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 58,125

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	25.36	27.35	0.22	0.93	0.01	4.74	4.59	0.09	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.91	0.04	1.05	0.05					
CONGESTIVE HEART FAILURE	1.43	1.65	0.05	0.87	0.03					
PNEUMONIA/INFLUENZA	0.88	1.26	0.05	0.70	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.21	0.51	0.03	0.43	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.46	0.38	0.03	1.24	0.09					
STROKE	0.94	0.90	0.04	1.04	0.05					
HIP FRACTURE	0.52	0.65	0.03	0.80	0.04					
SEPSIS	0.42	0.35	0.02	1.19	0.09					
PROCEDURES:										
ANGIOPLASTY	0.40	0.30	0.02	1.40	0.11					
CORONARY ARTERY BYPASS GRAFT	0.50	0.41	0.03	1.22	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.02	0.75	0.07					
CAROTID ENDARTERECTOMY	0.18	0.13	0.02	1.32	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.49	0.03	0.85	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.31	0.02	0.92	0.07					
PROSTATECTOMY	0.66	0.78	0.04	0.85	0.04					
CHOLECYSTECTOMY	0.45	0.45	0.03	0.99	0.06					
HYSTERECTOMY	0.17	0.19	0.02	0.85	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

SCRANTON-WILKES BARRE, PA (7560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	30,657	8.6	9.1	0.2	13.5	13.7	0.2	16.9	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	993	28.2	24.9	1.8	33.9	27.9	2.0	37.3	30.6	2.2
CONGESTIVE HEART FAILURE	1,732	14.1	14.4	1.4	23.4	22.8	1.6	29.8	29.0	2.1
PNEUMONIA/INFLUENZA	1,221	14.3	15.9	1.6	20.8	21.8	1.4	26.2	25.8	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	554	5.8	8.0	2.1	11.9	14.0	2.5	16.8	18.7	2.4
TRANSIENT CEREBRAL ISCHEMIA	762	2.6	1.7	0.8	4.9	3.9	1.1	7.2	6.3	1.7
STROKE	1,295	15.4	18.9	1.9	23.2	25.1	1.3	27.0	28.8	1.5
HIP FRACTURE	648	6.2	6.6	1.0	11.4	11.6	1.8	14.4	15.0	2.0
SEPSIS	404	25.2	24.8	2.3	32.9	32.2	2.5	37.1	36.8	2.6
PROCEDURES:										
ANGIOPLASTY	105	1.0	2.2	1.9	1.9	3.1	1.9	2.9	3.9	2.1
CORONARY ARTERY BYPASS GRAFT	237	5.1	5.3	1.5	8.4	7.9	1.8	9.7	9.1	1.9
INITIAL PACEMAKER INSERTION	264	4.2	3.3	1.3	6.4	6.2	2.0	10.2	8.9	2.1
CAROTID ENDARTERECTOMY	100	2.0	1.4	1.6	2.0	2.6	1.9	3.0	3.8	2.1
HIP REPLACEMENT/RECONSTRUCTION	416	4.1	3.4	1.6	7.9	6.3	1.9	9.4	8.5	1.7
OPEN REDUCTION OF HIP FRACTURE	331	4.2	6.1	2.2	7.9	11.0	3.1	11.8	14.4	3.2
PROSTATECTOMY	865	0.6	1.3	0.6	2.4	2.9	0.8	3.9	4.7	1.0
CHOLECYSTECTOMY	621	3.2	3.2	0.9	5.6	5.7	1.4	6.3	7.4	1.7
HYSTERECTOMY	218	0.5	0.7	0.7	0.9	1.6	1.0	0.9	2.6	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 151,752

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.90	29.52	0.14	1.05	0.00	4.73	4.52	0.05	1.05	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.99	0.03	0.96	0.02					
CONGESTIVE HEART FAILURE	2.03	1.81	0.03	1.12	0.02					
PNEUMONIA/INFLUENZA	1.14	1.40	0.03	0.82	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.62	0.02	1.04	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.65	0.44	0.02	1.45	0.06					
STROKE	1.14	0.93	0.02	1.22	0.03					
HIP FRACTURE	0.55	0.64	0.02	0.87	0.03					
SEPSIS	0.42	0.34	0.01	1.19	0.05					
PROCEDURES:										
ANGIOPLASTY	0.17	0.29	0.01	0.57	0.03					
CORONARY ARTERY BYPASS GRAFT	0.40	0.42	0.02	0.93	0.04					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.01	1.16	0.07					
CAROTID ENDARTERECTOMY	0.13	0.14	0.01	0.90	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.47	0.02	0.77	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.01	**	**					
PROSTATECTOMY	0.71	0.72	0.02	0.97	0.03					
CHOLECYSTECTOMY	0.50	0.52	0.02	0.98	0.04					
HYSTERECTOMY	0.19	0.20	0.01	0.96	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SHARON,PA (7610)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,091	7.5	9.1	0.4	11.6	13.4	0.5	14.7	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	171	27.5	28.3	4.4	29.8	31.1	4.4	31.6	33.9	4.7
CONGESTIVE HEART FAILURE	348	16.1	15.2	2.6	27.3	23.6	4.7	32.2	29.9	5.1
PNEUMONIA/INFLUENZA	302	11.6	16.2	3.8	20.2	22.2	3.6	22.5	26.3	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	159	5.7	9.3	3.4	13.2	15.7	3.5	17.6	20.5	3.8
TRANSIENT CEREBRAL ISCHEMIA	124	1.6	2.0	1.8	1.6	4.2	2.9	2.4	6.7	4.1
STROKE	194	21.6	21.7	3.1	26.3	28.3	4.1	30.4	32.2	4.1
HIP FRACTURE	128	6.3	7.6	3.7	11.7	13.2	3.7	19.5	16.9	5.0
SEPSIS	66	22.7	31.0	7.6	25.8	38.2	8.9	34.8	42.6	10.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	18	0.0	2.7	*	5.6	5.3	*	5.6	7.8	*
CAROTID ENDARTERECTOMY	48	2.1	1.5	*	2.1	2.9	*	4.2	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	166	1.8	2.1	1.3	3.6	3.8	1.9	4.2	5.2	2.2
OPEN REDUCTION OF HIP FRACTURE	63	6.3	6.6	5.1	7.9	11.9	7.5	12.7	15.5	8.8
PROSTATECTOMY	227	0.0	1.1	1.4	2.2	2.5	1.2	3.5	4.3	1.5
CHOLECYSTECTOMY	101	2.0	3.3	2.1	3.0	5.8	3.1	5.9	7.5	3.8
HYSTERECTOMY	21	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,370

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.30	29.14	0.35	1.21	0.01	4.84	4.54	0.14	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.11	0.97	0.06	1.15	0.08					
CONGESTIVE HEART FAILURE	2.26	1.77	0.09	1.27	0.06					
PNEUMONIA/INFLUENZA	1.50	1.40	0.08	1.07	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.09	0.61	0.05	1.76	0.15					
TRANSIENT CEREBRAL ISCHEMIA	0.64	0.41	0.04	1.59	0.17					
STROKE	1.01	0.94	0.06	1.07	0.07					
HIP FRACTURE	0.53	0.61	0.05	0.87	0.07					
SEPSIS	0.40	0.36	0.04	1.10	0.12					
PROCEDURES:										
ANGIOPLASTY	0.19	0.32	0.04	0.58	0.07					
CORONARY ARTERY BYPASS GRAFT	0.44	0.43	0.04	0.98	0.10					
INITIAL PACEMAKER INSERTION	0.14	0.21	0.03	0.60	0.09					
CAROTID ENDARTERECTOMY	0.28	0.15	0.03	1.69	0.31					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.47	0.04	0.93	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.03	0.89	0.11					
PROSTATECTOMY	1.08	0.80	0.06	1.37	0.10					
CHOLECYSTECTOMY	0.52	0.51	0.05	0.98	0.09					
HYSTERECTOMY	0.12	0.19	0.03	0.66	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

STATE COLLEGE, PA (8050)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,404	9.7	9.0	0.7	15.1	13.8	1.0	18.8	17.4	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	134	26.9	24.7	5.2	30.6	27.7	5.6	33.6	30.4	5.1
CONGESTIVE HEART FAILURE	145	13.1	13.7	4.2	19.3	21.8	3.7	29.0	27.9	3.8
PNEUMONIA/INFLUENZA	90	13.3	14.0	3.8	23.3	19.9	4.6	31.1	23.6	5.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	1.4	6.5	4.5	8.3	12.0	4.7	13.9	16.6	6.1
TRANSIENT CEREBRAL ISCHEMIA	33	0.0	1.7	*	0.0	3.8	*	3.0	6.1	*
STROKE	96	18.8	19.0	7.3	32.3	25.8	7.5	33.3	29.7	6.6
HIP FRACTURE	60	13.3	5.6	7.0	16.7	10.1	8.3	18.3	13.5	8.5
SEPSIS	32	15.6	17.8	*	18.8	23.8	*	21.9	27.7	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	23	4.3	3.4	*	4.3	6.8	*	8.7	9.9	*
CAROTID ENDARTERECTOMY	9	0.0	1.9	*	0.0	3.6	*	0.0	5.3	*
HIP REPLACEMENT/RECONSTRUCTION	42	9.5	3.8	*	11.9	7.2	*	16.7	9.9	*
OPEN REDUCTION OF HIP FRACTURE	24	0.0	4.4	*	0.0	8.1	*	0.0	11.0	*
PROSTATECTOMY	82	1.2	1.1	1.3	1.2	2.5	2.1	2.4	4.3	3.2
CHOLECYSTECTOMY	50	4.0	1.5	*	4.0	2.7	*	4.0	3.5	*
HYSTERECTOMY	16	0.0	0.5	*	0.0	1.5	*	6.3	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 11,086

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.29	26.98	0.49	0.97	0.02	4.53	4.44	0.20	1.02	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.25	0.89	0.09	1.38	0.15					
CONGESTIVE HEART FAILURE	1.59	1.57	0.12	1.00	0.08					
PNEUMONIA/INFLUENZA	1.06	1.24	0.11	0.91	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.69	0.51	0.07	1.34	0.20					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.36	0.06	0.96	0.17					
STROKE	0.93	0.85	0.09	1.02	0.11					
HIP FRACTURE	0.59	0.59	0.07	0.96	0.13					
SEPSIS	0.36	0.32	0.05	0.99	0.19					
PROCEDURES:										
ANGIOPLASTY	0.15	0.28	0.05	0.29	0.06					
CORONARY ARTERY BYPASS GRAFT	0.31	0.40	0.06	0.79	0.13					
INITIAL PACEMAKER INSERTION	0.27	0.19	0.04	1.31	0.35					
CAROTID ENDARTERECTOMY	0.14	0.12	0.04	1.28	0.44					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.46	0.06	0.90	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.28	0.05	0.72	0.15					
PROSTATECTOMY	0.56	0.76	0.08	0.68	0.08					
CHOLECYSTECTOMY	0.48	0.46	0.06	0.98	0.16					
HYSTERECTOMY	0.18	0.18	0.04	0.87	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

WILLIAMSPORT, PA (9140)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,919	6.7	7.9	0.6	11.5	12.3	0.6	15.0	15.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	150	21.3	24.5	4.1	24.0	27.5	4.7	26.7	30.2	5.3
CONGESTIVE HEART FAILURE	240	13.7	14.3	2.3	24.6	22.7	3.1	32.9	28.8	4.4
PNEUMONIA/INFLUENZA	176	9.7	13.8	4.3	14.2	19.1	5.2	19.3	22.8	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	109	9.2	8.3	2.7	17.4	14.6	3.8	25.7	19.3	5.2
TRANSIENT CEREBRAL ISCHEMIA	92	1.1	1.8	1.8	5.4	4.0	2.8	9.8	6.7	4.3
STROKE	156	14.7	19.5	3.8	23.1	25.7	3.6	27.6	29.7	3.7
HIP FRACTURE	110	6.4	6.9	2.7	10.9	12.1	3.8	13.6	15.9	3.8
SEPSIS	41	19.5	24.9	*	24.4	32.4	*	26.8	37.0	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	49	6.1	4.1	*	8.2	7.7	*	12.2	10.8	*
CAROTID ENDARTERECTOMY	35	2.9	2.3	*	2.9	4.1	*	2.9	5.6	*
HIP REPLACEMENT/RECONSTRUCTION	99	2.0	2.3	1.6	2.0	4.4	2.7	6.1	6.0	2.4
OPEN REDUCTION OF HIP FRACTURE	70	7.1	6.4	3.4	12.9	11.4	5.9	12.9	15.2	4.9
PROSTATECTOMY	176	1.7	1.0	1.4	2.3	2.3	2.2	5.1	3.7	2.1
CHOLECYSTECTOMY	87	0.0	2.3	2.5	2.3	4.6	3.5	4.6	6.5	4.9
HYSTERECTOMY	34	0.0	1.4	*	2.9	2.7	*	5.9	3.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,645

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.49	28.67	0.37	1.03	0.01	4.48	4.63	0.15	0.97	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.95	0.07	1.11	0.08					
CONGESTIVE HEART FAILURE	1.69	1.73	0.09	0.98	0.05					
PNEUMONIA/INFLUENZA	1.10	1.39	0.08	0.81	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.75	0.58	0.05	1.28	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.52	0.40	0.04	1.29	0.15					
STROKE	0.89	0.92	0.07	0.96	0.07					
HIP FRACTURE	0.68	0.64	0.06	1.07	0.09					
SEPSIS	0.26	0.35	0.04	0.72	0.09					
PROCEDURES:										
ANGIOPLASTY	0.13	0.29	0.04	0.44	0.06					
CORONARY ARTERY BYPASS GRAFT	0.31	0.40	0.04	0.77	0.09					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.03	1.05	0.17					
CAROTID ENDARTERECTOMY	0.12	0.13	0.03	0.91	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.48	0.05	0.89	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.44	0.30	0.04	1.44	0.19					
PROSTATECTOMY	0.76	0.74	0.06	1.07	0.09					
CHOLECYSTECTOMY	0.41	0.49	0.05	0.82	0.08					
HYSTERECTOMY	0.17	0.19	0.03	0.96	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

YORK, PA (9280)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,455	9.4	9.7	0.5	14.5	14.5	0.9	17.9	18.0	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	464	25.0	26.1	2.1	30.2	29.1	2.2	33.4	31.8	2.3
CONGESTIVE HEART FAILURE	587	13.8	14.6	2.8	22.5	22.9	2.5	27.8	29.1	2.4
PNEUMONIA/INFLUENZA	305	13.4	15.4	2.4	21.3	21.2	2.4	23.9	25.0	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	136	11.0	8.3	3.3	16.9	14.3	3.7	21.3	18.9	4.1
TRANSIENT CEREBRAL ISCHEMIA	153	2.6	2.0	1.8	7.2	4.5	2.6	11.8	7.4	3.9
STROKE	398	18.3	19.8	2.6	26.1	26.4	2.4	29.4	30.1	2.6
HIP FRACTURE	269	7.1	6.8	1.9	12.3	12.0	2.0	15.2	15.6	2.3
SEPSIS	134	20.9	27.2	5.9	24.6	35.1	6.0	30.6	39.9	5.9
PROCEDURES:										
ANGIOPLASTY	36	2.8	2.4	*	2.8	3.1	*	2.8	3.8	*
CORONARY ARTERY BYPASS GRAFT	91	7.7	5.5	3.0	7.7	7.5	2.8	8.8	8.4	3.0
INITIAL PACEMAKER INSERTION	71	5.6	3.6	2.9	8.5	6.5	3.5	9.9	8.9	3.5
CAROTID ENDARTERECTOMY	38	5.3	1.6	*	5.3	2.8	*	5.3	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	204	3.9	3.2	1.5	4.9	5.9	1.9	6.9	8.0	2.5
OPEN REDUCTION OF HIP FRACTURE	124	5.6	6.5	2.7	13.7	11.8	3.4	16.9	15.7	3.5
PROSTATECTOMY	425	0.7	1.0	0.6	2.1	2.2	0.8	3.8	3.8	0.9
CHOLECYSTECTOMY	183	2.7	3.2	2.0	4.9	5.6	2.1	7.1	7.2	2.2
HYSTERECTOMY	97	0.0	0.6	*	0.0	1.5	*	1.0	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 60,850

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.50	26.85	0.21	0.91	0.01	4.49	4.47	0.09	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.89	0.04	1.18	0.05					
CONGESTIVE HEART FAILURE	1.65	1.60	0.05	1.02	0.03					
PNEUMONIA/INFLUENZA	0.79	1.21	0.04	0.65	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.50	0.03	0.76	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.36	0.02	0.96	0.07					
STROKE	0.86	0.87	0.04	0.98	0.04					
HIP FRACTURE	0.53	0.60	0.03	0.89	0.05					
SEPSIS	0.34	0.34	0.02	1.02	0.07					
PROCEDURES:										
ANGIOPLASTY	0.13	0.29	0.02	0.40	0.03					
CORONARY ARTERY BYPASS GRAFT	0.32	0.41	0.03	0.76	0.05					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.86	0.09					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.71	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.46	0.03	0.94	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.02	0.88	0.07					
PROSTATECTOMY	0.91	0.77	0.04	1.16	0.05					
CHOLECYSTECTOMY	0.37	0.45	0.03	0.83	0.05					
HYSTERECTOMY	0.20	0.18	0.02	1.20	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

PA-(NONMSA) (99PA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	55,308	8.8	9.2	0.2	13.5	13.9	0.2	16.8	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,030	25.8	25.9	1.0	29.7	29.1	1.5	32.2	32.0	1.4
CONGESTIVE HEART FAILURE	3,279	14.8	14.6	0.7	23.7	23.1	0.9	29.9	29.3	1.0
PNEUMONIA/INFLUENZA	2,841	14.5	15.3	1.2	20.3	21.1	1.4	24.9	25.1	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,054	9.5	8.1	1.2	14.9	14.3	1.3	17.8	18.9	1.3
TRANSIENT CEREBRAL ISCHEMIA	1,251	1.9	1.9	0.4	3.9	4.2	0.6	5.7	6.9	1.3
STROKE	2,175	17.2	19.6	1.2	23.7	26.0	1.6	27.8	29.8	1.7
HIP FRACTURE	1,265	5.8	6.6	0.8	10.4	11.6	1.2	12.9	15.1	1.4
SEPSIS	682	22.1	26.1	2.3	31.4	33.9	2.6	36.4	38.5	2.9
PROCEDURES:										
ANGIOPLASTY	89	2.2	4.1	2.6	2.2	5.3	3.3	3.4	6.4	3.7
CORONARY ARTERY BYPASS GRAFT	230	4.8	6.8	1.8	6.5	9.7	2.3	8.3	10.9	2.6
INITIAL PACEMAKER INSERTION	356	6.7	3.9	1.6	9.8	7.3	1.8	11.5	10.2	1.7
CAROTID ENDARTERECTOMY	144	2.1	1.8	1.2	6.3	3.5	2.7	8.3	5.0	3.5
HIP REPLACEMENT/RECONSTRUCTION	837	2.3	3.4	0.9	4.3	6.2	1.3	6.5	8.3	1.4
OPEN REDUCTION OF HIP FRACTURE	671	7.0	6.0	1.3	12.1	10.9	1.6	14.3	14.3	1.5
PROSTATECTOMY	1,491	0.9	1.1	0.3	1.9	2.5	0.5	3.4	4.2	0.7
CHOLECYSTECTOMY	1,076	2.2	2.7	0.8	3.4	4.8	1.0	4.9	6.3	1.2
HYSTERECTOMY	388	1.0	0.6	0.8	2.1	1.4	1.5	2.6	2.2	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 337,897

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.64	29.26	0.09	1.12	0.00	4.73	4.51	0.04	1.05	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.20	0.98	0.02	1.22	0.02					
CONGESTIVE HEART FAILURE	2.13	1.74	0.02	1.22	0.02					
PNEUMONIA/INFLUENZA	1.45	1.45	0.02	1.01	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.62	0.01	1.15	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.62	0.41	0.01	1.49	0.04					
STROKE	1.06	0.92	0.02	1.13	0.02					
HIP FRACTURE	0.57	0.61	0.01	0.94	0.02					
SEPSIS	0.41	0.34	0.01	1.19	0.04					
PROCEDURES:										
ANGIOPLASTY	0.24	0.30	0.01	0.85	0.03					
CORONARY ARTERY BYPASS GRAFT	0.40	0.42	0.01	0.92	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.10	0.05					
CAROTID ENDARTERECTOMY	0.12	0.14	0.01	0.86	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.47	0.01	0.86	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.28	0.01	1.10	0.04					
PROSTATECTOMY	0.74	0.78	0.01	0.93	0.02					
CHOLECYSTECTOMY	0.50	0.52	0.01	0.98	0.02					
HYSTERECTOMY	0.17	0.19	0.01	0.91	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

AGUADILLA, PR (0060)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	1,755	14.8	10.5	1.1	19.5	15.1	1.3	23.0	18.4	1.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	92	28.3	27.5	5.4	33.7	30.4	6.5	35.9	33.1	5.5
CONGESTIVE HEART FAILURE	122	7.4	14.3	5.0	18.9	22.3	4.4	30.3	28.4	5.0
PNEUMONIA/INFLUENZA	148	33.8	17.1	4.9	40.5	22.8	5.2	45.9	26.5	6.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	57	7.0	6.6	3.8	10.5	12.3	5.8	14.0	17.1	7.1
TRANSIENT CEREBRAL ISCHEMIA	39	7.7	1.7	*	7.7	3.9	*	12.8	6.3	*
STROKE	95	30.5	20.5	5.8	34.7	26.6	5.5	35.8	30.2	5.3
HIP FRACTURE	5	20.0	7.4	*	20.0	12.4	*	20.0	15.9	*
SEPSIS	16	37.5	30.8	*	37.5	37.1	*	43.8	41.2	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	0									
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	1	0.0	12.8	*	0.0	23.8	*	0.0	29.4	*
OPEN REDUCTION OF HIP FRACTURE	0									
PROSTATECTOMY	26	3.8	0.4	*	3.8	1.0	*	3.8	1.9	*
CHOLECYSTECTOMY	40	0.0	2.5	*	5.0	4.7	*	5.0	6.3	*
HYSTERECTOMY	22	0.0	0.1	*	0.0	0.3	*	0.0	0.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

ARECIBO, PR (0470)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,264	15.6	9.9	1.6	20.4	14.2	1.1	23.6	17.3	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	103	33.0	23.6	7.7	35.0	26.1	7.8	35.9	28.8	7.5
CONGESTIVE HEART FAILURE	155	22.6	13.2	4.2	31.0	21.1	5.3	36.8	26.9	5.7
PNEUMONIA/INFLUENZA	145	33.8	19.2	5.0	37.2	25.5	4.6	42.1	29.3	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	20	5.0	6.5	*	10.0	12.9	*	15.0	18.4	*
TRANSIENT CEREBRAL ISCHEMIA	18	0.0	1.7	*	0.0	3.8	*	0.0	6.1	*
STROKE	102	38.2	21.1	5.6	45.1	27.7	5.9	46.1	31.5	5.7
HIP FRACTURE	61	14.8	9.8	4.4	27.9	16.0	6.9	32.8	20.2	7.3
SEPSIS	22	59.1	31.7	*	68.2	39.7	*	72.7	45.0	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	5	0.0	3.9	*	20.0	7.4	*	20.0	10.7	*
CAROTID ENDARTERECTOMY	1	0.0	1.0	*	0.0	2.0	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	23	4.3	6.9	*	13.0	12.4	*	21.7	16.6	*
OPEN REDUCTION OF HIP FRACTURE	31	19.4	9.6	*	35.5	15.8	*	38.7	19.6	*
PROSTATECTOMY	34	0.0	1.3	*	5.9	2.7	*	8.8	4.2	*
CHOLECYSTECTOMY	80	3.7	2.4	2.1	6.3	4.3	3.1	6.3	5.6	5.0
HYSTERECTOMY	48	2.1	0.2	*	2.1	0.4	*	2.1	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

CAGUAS, PR (1310)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,428	9.2	8.8	0.5	13.8	13.1	0.7	16.5	16.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	129	27.1	27.3	4.1	31.0	30.1	4.1	34.1	32.7	4.3
CONGESTIVE HEART FAILURE	212	12.7	14.0	2.6	20.3	22.3	4.0	24.5	28.5	5.1
PNEUMONIA/INFLUENZA	361	15.5	15.8	2.5	21.6	21.4	2.2	25.8	25.2	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	17	11.8	9.5	*	17.6	16.4	*	23.5	21.1	*
TRANSIENT CEREBRAL ISCHEMIA	60	5.0	1.5	2.5	11.7	3.5	5.4	13.3	6.0	5.1
STROKE	160	21.9	18.6	3.8	29.4	25.4	4.2	32.5	29.1	4.5
HIP FRACTURE	66	4.5	6.2	3.3	12.1	11.1	4.2	15.2	14.2	5.3
SEPSIS	40	37.5	33.6	*	50.0	40.4	*	57.5	44.7	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	38	0.0	2.6	*	5.3	4.9	*	5.3	7.0	*
CAROTID ENDARTERECTOMY	1	0.0	1.7	*	0.0	3.5	*	0.0	6.0	*
HIP REPLACEMENT/RECONSTRUCTION	26	3.8	3.6	*	7.7	6.6	*	7.7	8.9	*
OPEN REDUCTION OF HIP FRACTURE	32	3.1	6.7	*	15.6	12.3	*	21.9	16.1	*
PROSTATECTOMY	217	0.9	0.7	1.0	1.4	1.6	1.6	1.8	2.9	2.6
CHOLECYSTECTOMY	124	4.8	2.5	2.5	6.5	4.6	2.7	8.1	6.3	2.7
HYSTERECTOMY	78	0.0	0.1	*	0.0	0.2	*	0.0	0.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

MAYAGUEZ, PR (4840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,134	13.9	10.5	0.6	18.6	15.3	0.6	22.2	18.9	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	201	29.9	26.5	5.1	34.8	29.3	5.5	38.8	31.9	6.2
CONGESTIVE HEART FAILURE	333	15.6	14.7	2.4	24.0	23.2	2.8	29.7	29.3	2.6
PNEUMONIA/INFLUENZA	335	32.2	17.5	2.4	36.7	23.3	2.7	40.3	27.2	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	35	11.4	9.7	*	17.1	16.7	*	25.7	21.9	*
TRANSIENT CEREBRAL ISCHEMIA	70	5.7	2.0	2.9	11.4	4.6	3.5	12.9	7.3	3.7
STROKE	202	33.2	21.6	4.2	38.1	28.0	4.2	42.1	31.7	4.4
HIP FRACTURE	131	9.2	7.1	3.4	13.0	12.2	3.0	19.8	15.6	3.8
SEPSIS	81	45.7	32.1	7.8	53.1	38.3	8.0	56.8	42.7	7.9
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	56	3.6	3.3	2.4	3.6	5.8	3.6	8.9	8.2	4.1
CAROTID ENDARTERECTOMY	2	0.0	0.8	*	0.0	1.6	*	0.0	2.4	*
HIP REPLACEMENT/RECONSTRUCTION	43	4.7	4.8	*	9.3	8.6	*	9.3	11.4	*
OPEN REDUCTION OF HIP FRACTURE	75	8.0	6.6	3.4	13.3	11.7	4.0	24.0	15.2	6.4
PROSTATECTOMY	229	1.3	0.8	0.7	2.6	1.8	1.1	3.1	3.0	1.3
CHOLECYSTECTOMY	164	3.0	2.7	1.6	4.3	4.9	1.9	4.3	6.5	2.4
HYSTERECTOMY	72	1.4	0.3	1.1	2.8	0.7	1.9	2.8	1.2	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

PONCE, PR (6360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,128	9.9	8.6	0.6	14.1	13.2	0.5	17.3	16.7	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	269	29.7	26.7	3.3	35.3	29.8	3.8	36.4	32.5	3.7
CONGESTIVE HEART FAILURE	486	12.6	13.5	1.7	19.5	21.8	2.5	24.5	28.1	3.2
PNEUMONIA/INFLUENZA	278	23.7	15.7	3.3	29.5	21.3	3.5	32.4	24.8	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	98	4.1	8.2	3.4	9.2	14.5	5.2	11.2	19.1	6.2
TRANSIENT CEREBRAL ISCHEMIA	142	2.8	1.6	2.1	5.6	3.7	2.5	7.7	6.2	2.5
STROKE	379	23.0	18.1	3.9	27.7	24.6	3.3	30.9	28.4	3.1
HIP FRACTURE	102	8.8	6.6	3.3	13.7	11.6	4.7	16.7	15.0	4.7
SEPSIS	125	39.2	30.2	6.4	47.2	37.2	6.9	54.4	41.9	8.1
PROCEDURES:										
ANGIOPLASTY	7	0.0	0.7	*	0.0	1.2	*	0.0	1.7	*
CORONARY ARTERY BYPASS GRAFT	49	24.5	3.3	*	24.5	5.4	*	24.5	6.5	*
INITIAL PACEMAKER INSERTION	65	4.6	2.7	2.9	6.2	5.1	3.1	9.2	7.5	3.8
CAROTID ENDARTERECTOMY	1	0.0	3.5	*	0.0	5.6	*	0.0	7.5	*
HIP REPLACEMENT/RECONSTRUCTION	30	13.3	6.4	*	16.7	11.3	*	23.3	14.7	*
OPEN REDUCTION OF HIP FRACTURE	48	6.3	6.1	*	12.5	11.1	*	12.5	14.4	*
PROSTATECTOMY	337	0.6	1.1	0.7	0.9	2.6	1.5	2.1	4.4	2.0
CHOLECYSTECTOMY	144	4.2	2.3	2.1	5.6	4.4	2.2	6.2	6.0	2.3
HYSTERECTOMY	59	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

SAN JUAN, PR (7440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	33,321	9.7	8.6	0.3	13.9	12.9	0.3	16.9	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	964	29.1	27.5	1.8	33.2	30.3	2.3	36.2	33.0	2.5
CONGESTIVE HEART FAILURE	1,739	14.6	13.7	1.2	22.7	22.0	1.0	29.0	28.1	1.3
PNEUMONIA/INFLUENZA	1,448	21.4	16.8	1.4	27.8	22.6	1.8	31.8	26.3	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	237	4.6	8.0	2.1	8.9	14.1	3.2	12.7	18.9	3.7
TRANSIENT CEREBRAL ISCHEMIA	407	2.9	1.7	1.1	5.2	3.9	1.4	8.6	6.4	1.8
STROKE	1,171	27.8	20.9	2.5	32.2	27.3	1.7	35.5	31.0	1.7
HIP FRACTURE	489	9.2	6.7	1.3	15.5	11.7	1.8	20.2	15.1	2.2
SEPSIS	443	43.6	32.3	2.5	55.1	39.4	3.9	60.0	44.0	4.3
PROCEDURES:										
ANGIOPLASTY	16	6.3	1.5	*	6.3	2.5	*	6.3	3.5	*
CORONARY ARTERY BYPASS GRAFT	180	1.7	4.3	2.1	2.8	6.2	2.6	3.3	7.2	2.9
INITIAL PACEMAKER INSERTION	169	0.6	3.6	2.0	4.1	6.8	3.0	5.9	9.7	3.3
CAROTID ENDARTERECTOMY	17	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION	206	4.4	3.8	1.6	7.8	6.7	2.3	11.2	8.7	2.9
OPEN REDUCTION OF HIP FRACTURE	258	7.8	6.6	1.6	13.2	11.9	2.4	17.8	15.6	3.2
PROSTATECTOMY	1,722	0.9	0.7	0.3	2.0	1.7	0.4	3.0	2.9	0.5
CHOLECYSTECTOMY	807	2.4	2.1	0.8	2.9	3.9	1.1	5.0	5.4	1.0
HYSTERECTOMY	396	0.8	0.3	0.6	1.0	0.6	0.6	1.8	1.0	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

PR-(NONMSA) (99PR)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,769	9.6	8.9	0.6	13.5	13.0	0.6	15.9	16.1	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	179	24.6	26.5	3.7	29.6	29.3	3.5	31.8	31.9	3.5
CONGESTIVE HEART FAILURE	244	16.4	14.2	5.0	26.2	22.5	4.9	32.0	29.0	4.7
PNEUMONIA/INFLUENZA	191	22.0	14.9	4.2	26.7	19.9	4.2	29.8	23.6	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	79	11.4	8.9	3.6	17.7	15.4	4.2	20.3	20.3	4.6
TRANSIENT CEREBRAL ISCHEMIA	54	1.9	1.8	1.9	1.9	4.1	3.3	5.6	6.8	3.6
STROKE	187	22.5	20.4	3.4	27.3	26.4	3.6	28.3	29.9	3.7
HIP FRACTURE	17	17.6	8.4	*	29.4	14.3	*	35.3	18.5	*
SEPSIS	36	41.7	28.6	*	52.8	37.8	*	58.3	43.0	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	0									
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	28	3.6	2.5	*	7.1	4.8	*	7.1	6.8	*
OPEN REDUCTION OF HIP FRACTURE	7	14.3	8.3	*	42.9	15.0	*	42.9	19.7	*
PROSTATECTOMY	174	0.6	0.8	0.8	1.1	1.7	1.2	2.3	2.9	1.4
CHOLECYSTECTOMY	91	0.0	1.9	2.2	2.2	3.4	3.1	4.4	4.4	3.5
HYSTERECTOMY	41	2.4	0.1	*	2.4	0.3	*	2.4	0.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

PROVIDENCE-PAWTUCKET-WOONSOCKET, RI (6483)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	29,559	8.7	10.1	0.2	13.8	15.1	0.3	17.4	18.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,208	23.4	26.6	1.5	28.5	29.9	1.6	31.5	32.7	1.4
CONGESTIVE HEART FAILURE	1,713	12.6	15.6	1.3	21.0	24.6	1.5	27.8	31.0	1.5
PNEUMONIA/INFLUENZA	1,184	14.5	17.5	1.5	20.3	23.8	1.9	24.1	27.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	491	7.3	9.0	1.7	12.0	15.2	2.5	16.7	19.8	3.0
TRANSIENT CEREBRAL ISCHEMIA	460	1.5	1.8	0.7	4.1	4.1	0.9	5.4	6.6	1.5
STROKE	1,124	18.5	20.1	1.8	26.1	27.1	1.5	30.4	31.0	1.6
HIP FRACTURE	738	5.3	7.2	1.4	11.2	12.8	1.6	14.2	16.7	1.9
SEPSIS	522	25.1	27.8	3.3	32.8	35.4	2.9	38.5	40.0	3.1
PROCEDURES:										
ANGIOPLASTY	176	1.7	2.4	2.0	2.3	3.4	2.3	2.3	4.3	2.7
CORONARY ARTERY BYPASS GRAFT	255	4.7	5.4	2.7	5.9	8.0	3.4	8.6	9.2	3.6
INITIAL PACEMAKER INSERTION	184	3.8	3.6	2.1	7.6	6.7	2.4	10.9	9.7	2.4
CAROTID ENDARTERECTOMY	85	1.2	1.3	1.3	1.2	2.4	2.0	1.2	3.5	2.8
HIP REPLACEMENT/RECONSTRUCTION	471	1.9	3.7	1.2	4.0	6.9	1.6	5.9	9.2	1.8
OPEN REDUCTION OF HIP FRACTURE	415	4.8	6.4	1.5	10.6	11.7	1.7	13.5	15.5	2.5
PROSTATECTOMY	841	0.6	1.2	0.7	2.3	2.7	0.6	4.0	4.4	0.8
CHOLECYSTECTOMY	558	2.5	3.3	1.0	5.0	5.9	1.5	6.1	7.7	1.6
HYSTERECTOMY	292	0.7	0.6	0.6	1.4	1.4	1.1	1.4	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 165,348

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.99	27.02	0.13	1.00	0.00	4.72	4.64	0.05	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	0.87	0.02	1.30	0.03					
CONGESTIVE HEART FAILURE	1.92	1.64	0.03	1.17	0.02					
PNEUMONIA/INFLUENZA	1.00	1.19	0.03	0.84	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.50	0.02	1.07	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.37	0.01	1.04	0.04					
STROKE	0.87	0.88	0.02	1.00	0.03					
HIP FRACTURE	0.55	0.63	0.02	0.86	0.03					
SEPSIS	0.48	0.35	0.01	1.35	0.06					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.01	0.63	0.03					
CORONARY ARTERY BYPASS GRAFT	0.30	0.38	0.01	0.78	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.81	0.04					
CAROTID ENDARTERECTOMY	0.07	0.12	0.01	0.62	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.46	0.02	0.79	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.31	0.01	**	**					
PROSTATECTOMY	0.65	0.70	0.02	0.93	0.03					
CHOLECYSTECTOMY	0.41	0.42	0.02	0.97	0.04					
HYSTERECTOMY	0.19	0.18	0.01	1.08	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

ANDERSON, SC (0405)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,115	8.5	9.1	0.7	13.6	14.0	0.9	17.6	17.6	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	135	18.5	26.5	5.5	25.2	29.4	5.5	27.4	31.9	4.9
CONGESTIVE HEART FAILURE	230	13.0	13.6	2.7	21.7	21.4	2.8	27.8	27.3	3.0
PNEUMONIA/INFLUENZA	174	13.2	13.8	3.1	17.8	19.0	3.6	20.7	22.6	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	64	7.8	4.4	5.0	10.9	8.4	5.7	10.9	11.8	6.3
TRANSIENT CEREBRAL ISCHEMIA	62	1.6	1.6	1.6	1.6	3.6	3.4	1.6	5.9	6.0
STROKE	152	21.1	19.6	3.5	26.3	25.9	3.6	30.9	29.6	3.8
HIP FRACTURE	96	2.1	5.8	4.0	5.2	10.2	5.5	8.3	13.3	6.3
SEPSIS	72	30.6	24.1	6.1	38.9	31.6	8.7	41.7	36.1	7.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	26	3.8	2.4	*	3.8	4.8	*	3.8	7.1	*
CAROTID ENDARTERECTOMY	4	0.0	1.2	*	0.0	2.2	*	0.0	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	47	0.0	3.6	*	2.1	6.9	*	6.4	9.3	*
OPEN REDUCTION OF HIP FRACTURE	59	3.4	5.2	3.3	6.8	9.4	4.4	6.8	12.4	5.9
PROSTATECTOMY	161	0.6	1.3	1.1	2.5	3.0	1.4	5.0	5.1	1.7
CHOLECYSTECTOMY	97	6.2	2.5	3.5	8.2	4.6	4.0	9.3	6.3	4.4
HYSTERECTOMY	34	0.0	0.6	*	0.0	1.5	*	0.0	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,196

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.91	31.34	0.37	0.79	0.01	4.42	4.44	0.14	1.00	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.80	0.95	0.06	0.85	0.06					
CONGESTIVE HEART FAILURE	1.47	1.94	0.09	0.76	0.04					
PNEUMONIA/INFLUENZA	0.88	1.46	0.08	0.60	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.70	0.06	0.56	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.47	0.04	0.63	0.06					
STROKE	0.77	1.02	0.07	0.76	0.05					
HIP FRACTURE	0.47	0.53	0.05	0.91	0.08					
SEPSIS	0.46	0.40	0.04	1.19	0.13					
PROCEDURES:										
ANGIOPLASTY	0.24	0.29	0.04	0.79	0.10					
CORONARY ARTERY BYPASS GRAFT	0.35	0.40	0.04	0.88	0.09					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.03	0.94	0.14					
CAROTID ENDARTERECTOMY	0.05	0.13	0.03	0.22	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.28	0.37	0.04	0.76	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.25	0.03	1.18	0.16					
PROSTATECTOMY	0.76	0.68	0.05	1.10	0.09					
CHOLECYSTECTOMY	0.51	0.51	0.05	**	**					
HYSTERECTOMY	0.18	0.18	0.03	1.01	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

AUGUSTA, GA-SC (0600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	11,762	8.8	8.6	0.3	13.5	13.2	0.4	16.9	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	250	26.0	26.4	2.8	31.2	29.0	3.6	34.0	31.5	3.6
CONGESTIVE HEART FAILURE	440	16.1	13.2	2.1	23.0	21.2	2.1	29.3	27.0	2.4
PNEUMONIA/INFLUENZA	530	17.2	16.0	2.4	24.0	22.1	2.8	28.5	25.9	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	178	4.5	7.7	3.5	12.9	13.6	3.6	16.9	18.0	3.2
TRANSIENT CEREBRAL ISCHEMIA	148	0.7	1.5	1.3	1.4	3.4	2.4	2.0	5.5	3.5
STROKE	394	21.1	19.8	2.1	25.9	26.5	2.3	30.5	30.3	2.7
HIP FRACTURE	248	6.5	6.1	1.6	10.9	10.8	2.0	14.5	14.0	2.3
SEPSIS	190	32.6	24.5	4.2	43.2	32.3	5.1	48.9	36.5	5.5
PROCEDURES:										
ANGIOPLASTY	221	3.2	2.6	1.2	4.1	3.4	1.6	5.0	4.3	1.7
CORONARY ARTERY BYPASS GRAFT	199	10.1	5.0	2.3	13.6	7.0	2.9	15.6	7.9	3.3
INITIAL PACEMAKER INSERTION	218	3.7	2.4	1.6	4.6	4.9	1.6	7.3	7.2	1.8
CAROTID ENDARTERECTOMY	22	0.0	1.2	*	0.0	2.1	*	9.1	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	171	4.7	3.3	2.3	7.0	6.0	3.0	9.4	8.0	3.1
OPEN REDUCTION OF HIP FRACTURE	122	4.9	5.8	2.6	10.7	10.5	3.0	14.8	13.8	3.2
PROSTATECTOMY	164	1.2	0.8	0.9	2.4	1.8	1.5	3.7	3.1	1.8
CHOLECYSTECTOMY	201	3.0	2.7	1.2	6.0	5.0	1.9	6.5	6.6	2.1
HYSTERECTOMY	72	0.0	0.4	1.0	1.4	0.9	1.2	2.8	1.5	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,011

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	30.26	30.81	0.26	0.98	0.01	5.28	4.63	0.10	1.14	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.83	0.04	0.84	0.04					
CONGESTIVE HEART FAILURE	1.48	2.00	0.07	0.75	0.02					
PNEUMONIA/INFLUENZA	1.55	1.29	0.05	1.21	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.61	0.62	0.04	1.00	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.37	0.44	0.03	0.83	0.06					
STROKE	0.95	1.03	0.05	0.92	0.04					
HIP FRACTURE	0.55	0.49	0.03	1.11	0.08					
SEPSIS	0.52	0.44	0.03	1.15	0.08					
PROCEDURES:										
ANGIOPLASTY	0.54	0.27	0.02	2.00	0.19					
CORONARY ARTERY BYPASS GRAFT	0.43	0.38	0.03	1.25	0.10					
INITIAL PACEMAKER INSERTION	0.48	0.19	0.02	2.48	0.28					
CAROTID ENDARTERECTOMY	0.05	0.12	0.02	0.42	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.34	0.03	1.02	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.24	0.02	1.08	0.11					
PROSTATECTOMY	0.37	0.67	0.04	0.56	0.03					
CHOLECYSTECTOMY	0.43	0.44	0.03	1.02	0.07					
HYSTERECTOMY	0.13	0.16	0.02	0.82	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLESTON, SC (1440)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,612	7.7	8.2	0.4	12.7	12.6	0.3	16.5	15.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	242	22.7	25.7	5.2	26.9	28.5	5.6	28.9	31.0	5.2
CONGESTIVE HEART FAILURE	447	10.3	13.0	2.4	18.6	21.0	2.5	26.8	26.9	2.3
PNEUMONIA/INFLUENZA	322	16.1	13.6	2.2	23.0	18.8	2.9	27.6	22.3	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	124	9.7	8.1	3.4	17.7	13.8	4.5	20.2	17.9	4.1
TRANSIENT CEREBRAL ISCHEMIA	84	0.0	1.8	2.1	2.4	4.1	2.4	2.4	6.6	4.0
STROKE	337	16.6	18.3	2.3	24.0	24.1	2.6	29.4	27.5	2.8
HIP FRACTURE	202	7.4	6.0	2.6	11.9	10.9	3.9	17.8	14.2	4.9
SEPSIS	93	37.6	25.6	6.9	46.2	32.9	7.2	51.6	37.3	7.5
PROCEDURES:										
ANGIOPLASTY	114	1.8	3.7	2.2	3.5	4.9	2.3	6.1	5.9	2.4
CORONARY ARTERY BYPASS GRAFT	168	3.6	5.5	2.0	8.3	7.5	2.3	9.5	8.4	2.3
INITIAL PACEMAKER INSERTION	86	2.3	2.9	2.9	3.5	5.4	4.0	4.7	7.8	4.4
CAROTID ENDARTERECTOMY	45	0.0	1.2	*	0.0	2.2	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	164	3.0	3.2	1.7	3.7	5.9	2.6	7.9	7.9	2.3
OPEN REDUCTION OF HIP FRACTURE	102	5.9	5.6	3.9	14.7	10.5	5.6	19.6	13.8	6.9
PROSTATECTOMY	307	0.7	0.9	0.9	2.3	2.2	1.4	3.3	3.7	2.3
CHOLECYSTECTOMY	197	2.5	2.5	1.5	4.6	4.6	1.6	8.1	6.1	2.4
HYSTERECTOMY	87	0.0	0.8	1.1	1.1	1.8	1.5	4.6	2.8	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 49,589

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.31	30.71	0.25	0.79	0.01	4.57	4.69	0.10	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.56	0.82	0.04	0.67	0.03					
CONGESTIVE HEART FAILURE	1.49	2.02	0.06	0.74	0.02					
PNEUMONIA/INFLUENZA	0.97	1.25	0.05	0.77	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.60	0.03	0.64	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.43	0.03	0.50	0.03					
STROKE	0.86	1.07	0.05	0.80	0.03					
HIP FRACTURE	0.47	0.48	0.03	1.00	0.07					
SEPSIS	0.30	0.48	0.03	0.62	0.04					
PROCEDURES:										
ANGIOPLASTY	0.17	0.26	0.02	0.61	0.05					
CORONARY ARTERY BYPASS GRAFT	0.28	0.36	0.03	0.78	0.06					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.02	1.00	0.10					
CAROTID ENDARTERECTOMY	0.08	0.11	0.01	0.71	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.32	0.02	1.07	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.24	0.02	0.96	0.09					
PROSTATECTOMY	0.69	0.69	0.04	0.99	0.05					
CHOLECYSTECTOMY	0.44	0.41	0.03	1.05	0.07					
HYSTERECTOMY	0.19	0.16	0.02	1.16	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLOTTE-GASTONIA-ROCK HILL, NC-SC (1520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	26,208	9.3	8.9	0.2	14.1	13.4	0.3	17.6	16.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,167	22.6	24.0	1.7	26.1	26.9	1.7	29.7	29.6	1.7
CONGESTIVE HEART FAILURE	1,296	14.0	13.1	1.2	22.7	20.9	2.0	28.4	26.7	2.3
PNEUMONIA/INFLUENZA	1,242	16.8	14.4	1.5	22.6	19.8	1.8	27.4	23.5	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	311	6.4	6.7	1.8	12.2	11.9	2.3	15.8	15.9	2.5
TRANSIENT CEREBRAL ISCHEMIA	229	1.7	1.6	0.9	3.5	3.6	1.3	3.9	5.8	2.5
STROKE	1,148	18.9	18.6	1.4	24.3	24.8	1.3	28.7	28.5	1.4
HIP FRACTURE	856	4.3	5.7	1.3	9.0	10.2	1.4	11.9	13.4	1.5
SEPSIS	354	24.9	24.7	2.6	33.1	32.4	2.9	37.9	36.9	3.3
PROCEDURES:										
ANGIOPLASTY	444	2.7	3.7	1.3	4.1	4.6	1.3	5.2	5.5	1.5
CORONARY ARTERY BYPASS GRAFT	521	6.5	5.4	1.4	7.5	7.5	1.2	8.6	8.4	1.3
INITIAL PACEMAKER INSERTION	281	3.6	2.8	1.3	6.8	5.5	1.9	8.9	8.1	1.9
CAROTID ENDARTERECTOMY	143	2.1	1.3	1.2	2.1	2.4	1.3	2.8	3.6	1.8
HIP REPLACEMENT/RECONSTRUCTION	634	1.9	3.1	1.2	5.0	5.8	1.2	7.4	7.9	1.2
OPEN REDUCTION OF HIP FRACTURE	401	4.5	5.3	2.2	8.0	9.8	2.7	10.5	13.1	3.1
PROSTATECTOMY	847	2.4	1.1	1.1	3.7	2.5	0.9	5.2	4.2	0.9
CHOLECYSTECTOMY	621	2.3	2.6	0.7	4.5	4.7	0.9	6.4	6.1	1.2
HYSTERECTOMY	255	0.0	0.5	0.6	0.0	1.2	1.1	0.8	2.0	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 141,985

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.29	29.27	0.14	0.86	0.00	4.74	4.61	0.06	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	0.87	0.02	1.19	0.03					
CONGESTIVE HEART FAILURE	1.51	1.86	0.04	0.81	0.02					
PNEUMONIA/INFLUENZA	1.19	1.23	0.03	0.98	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.56	0.02	0.69	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.42	0.02	0.50	0.02					
STROKE	1.01	0.98	0.03	1.02	0.03					
HIP FRACTURE	0.70	0.55	0.02	1.28	0.05					
SEPSIS	0.36	0.41	0.02	0.88	0.04					
PROCEDURES:										
ANGIOPLASTY	0.32	0.28	0.01	1.17	0.06					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.02	1.04	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.14	0.07					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.99	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.38	0.02	1.27	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.14	0.06					
PROSTATECTOMY	0.64	0.68	0.02	0.94	0.03					
CHOLECYSTECTOMY	0.50	0.44	0.02	1.14	0.05					
HYSTERECTOMY	0.19	0.17	0.01	1.09	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

COLUMBIA, SC (1760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,249	8.8	8.2	0.3	13.8	12.7	0.5	17.5	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	257	23.0	22.7	2.6	25.7	25.8	2.9	28.0	28.5	3.1
CONGESTIVE HEART FAILURE	429	11.7	12.8	2.1	20.3	20.4	2.0	25.6	26.3	2.2
PNEUMONIA/INFLUENZA	343	13.7	13.0	2.1	19.2	18.1	2.3	23.9	21.5	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	108	9.3	6.8	3.7	16.7	12.2	6.5	21.3	16.6	7.7
TRANSIENT CEREBRAL ISCHEMIA	85	0.0	1.7	2.4	3.5	3.8	2.4	5.9	6.3	3.4
STROKE	347	20.7	18.2	2.8	27.7	24.4	2.9	31.4	28.1	3.1
HIP FRACTURE	227	6.6	6.3	2.1	9.7	11.3	2.5	11.0	14.8	3.1
SEPSIS	128	34.4	26.6	6.7	46.1	36.0	8.3	53.1	41.4	9.1
PROCEDURES:										
ANGIOPLASTY	241	2.5	2.5	1.0	3.3	3.3	1.2	4.1	4.1	1.5
CORONARY ARTERY BYPASS GRAFT	322	4.3	4.7	1.3	5.9	6.7	1.5	7.1	7.7	1.5
INITIAL PACEMAKER INSERTION	145	4.8	3.0	2.1	8.3	6.1	2.8	9.7	9.1	2.7
CAROTID ENDARTERECTOMY	46	0.0	1.3	*	0.0	2.5	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	210	3.8	2.5	1.5	4.8	4.8	1.5	5.2	6.5	2.1
OPEN REDUCTION OF HIP FRACTURE	90	4.4	6.2	2.6	7.8	11.3	3.7	8.9	15.0	4.5
PROSTATECTOMY	238	1.3	1.1	0.7	2.1	2.6	1.5	4.2	4.5	2.0
CHOLECYSTECTOMY	183	3.3	2.4	1.4	5.5	4.3	1.8	7.1	5.7	2.6
HYSTERECTOMY	110	0.9	0.7	1.1	0.9	1.5	1.3	0.9	2.4	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 49,544

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.64	29.28	0.24	0.77	0.01	4.83	4.62	0.10	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.52	0.81	0.04	0.64	0.03					
CONGESTIVE HEART FAILURE	1.22	1.88	0.06	0.65	0.02					
PNEUMONIA/INFLUENZA	0.82	1.18	0.05	0.69	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.32	0.57	0.03	0.57	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.42	0.03	0.48	0.03					
STROKE	0.77	0.98	0.04	0.79	0.04					
HIP FRACTURE	0.49	0.51	0.03	0.98	0.06					
SEPSIS	0.35	0.43	0.03	0.81	0.06					
PROCEDURES:										
ANGIOPLASTY	0.35	0.27	0.02	1.28	0.11					
CORONARY ARTERY BYPASS GRAFT	0.36	0.38	0.03	0.98	0.07					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.02	1.25	0.14					
CAROTID ENDARTERECTOMY	0.07	0.12	0.02	0.56	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.35	0.03	1.05	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.25	0.02	0.89	0.08					
PROSTATECTOMY	0.47	0.66	0.04	0.70	0.04					
CHOLECYSTECTOMY	0.40	0.42	0.03	0.93	0.07					
HYSTERECTOMY	0.19	0.16	0.02	1.22	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

FLORENCE, SC (2655)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	5,486	8.3	8.1	0.4	12.9	12.4	0.6	17.0	15.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	173	26.0	27.0	4.7	29.5	29.8	5.0	32.4	32.5	5.1
CONGESTIVE HEART FAILURE	227	13.7	12.4	2.4	21.1	20.1	3.4	26.0	25.9	4.4
PNEUMONIA/INFLUENZA	199	14.6	13.3	3.1	18.1	18.2	2.8	22.6	21.5	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	59	6.8	7.7	3.5	18.6	14.1	5.3	25.4	18.9	7.2
TRANSIENT CEREBRAL ISCHEMIA	114	0.9	1.4	1.1	2.6	3.2	1.7	4.4	5.2	2.1
STROKE	221	17.6	18.2	2.9	23.1	23.7	3.0	26.7	27.1	3.5
HIP FRACTURE	114	5.3	5.6	3.0	14.0	10.0	3.7	17.5	13.1	4.2
SEPSIS	42	26.2	22.4	*	33.3	29.9	*	40.5	34.2	*
PROCEDURES:										
ANGIOPLASTY	78	6.4	6.0	2.7	6.4	6.9	3.0	10.3	7.8	3.4
CORONARY ARTERY BYPASS GRAFT	81	11.1	5.9	4.7	13.6	8.2	6.3	14.8	9.3	6.5
INITIAL PACEMAKER INSERTION	66	6.1	3.2	2.9	9.1	6.1	3.7	10.6	8.7	3.8
CAROTID ENDARTERECTOMY	18	0.0	1.0	*	0.0	2.0	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	80	3.8	2.8	3.7	8.7	5.2	5.4	11.3	7.1	5.8
OPEN REDUCTION OF HIP FRACTURE	67	6.0	5.3	5.5	16.4	10.0	5.7	19.4	13.4	5.7
PROSTATECTOMY	188	1.1	1.0	0.9	3.2	2.4	1.6	5.9	4.1	2.3
CHOLECYSTECTOMY	75	4.0	1.9	2.7	4.0	3.8	2.4	6.7	5.3	3.2
HYSTERECTOMY	51	0.0	0.6	1.2	0.0	1.1	1.7	2.0	1.7	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,014

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	31.44	32.58	0.45	0.97	0.01	5.18	4.74	0.17	1.09	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.86	0.87	0.07	1.05	0.09					
CONGESTIVE HEART FAILURE	1.65	2.15	0.12	0.80	0.04					
PNEUMONIA/INFLUENZA	1.41	1.37	0.09	1.04	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.66	0.07	0.55	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.67	0.49	0.06	1.39	0.16					
STROKE	1.25	1.11	0.08	1.13	0.09					
HIP FRACTURE	0.44	0.49	0.05	0.95	0.11					
SEPSIS	0.31	0.48	0.06	0.61	0.07					
PROCEDURES:										
ANGIOPLASTY	0.31	0.26	0.04	1.15	0.19					
CORONARY ARTERY BYPASS GRAFT	0.40	0.37	0.05	1.15	0.16					
INITIAL PACEMAKER INSERTION	0.27	0.20	0.04	1.14	0.22					
CAROTID ENDARTERECTOMY	0.09	0.11	0.03	1.03	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.26	0.32	0.04	0.89	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.24	0.04	1.02	0.18					
PROSTATECTOMY	0.69	0.66	0.06	1.10	0.11					
CHOLECYSTECTOMY	0.41	0.45	0.05	0.89	0.11					
HYSTERECTOMY	0.20	0.16	0.03	1.44	0.33					

** QUANTITIES COULD NOT BE ESTIMATED

GREENVILLE-SPARTANBURG, SC (3160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	15,853	9.4	8.0	0.3	14.3	12.3	0.4	17.9	15.6	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	586	22.9	23.1	1.8	26.5	25.9	2.4	28.5	28.6	2.2
CONGESTIVE HEART FAILURE	776	20.0	12.9	2.3	28.1	20.7	2.2	33.9	26.6	2.2
PNEUMONIA/INFLUENZA	638	14.6	13.3	2.2	20.8	18.5	3.1	24.0	22.1	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	255	11.8	5.7	2.5	16.5	10.2	2.8	23.1	14.0	3.2
TRANSIENT CEREBRAL ISCHEMIA	141	0.0	1.7	1.8	1.4	3.8	2.6	4.3	6.2	2.8
STROKE	549	22.4	17.2	2.3	28.6	22.9	2.8	33.3	26.5	3.4
HIP FRACTURE	415	6.7	5.9	1.9	12.3	10.6	2.1	14.7	13.9	2.3
SEPSIS	170	24.1	21.6	4.9	35.9	29.0	7.4	39.4	33.6	7.6
PROCEDURES:										
ANGIOPLASTY	182	0.5	2.6	1.6	0.5	3.3	1.9	1.6	4.2	2.1
CORONARY ARTERY BYPASS GRAFT	265	6.0	4.8	1.9	8.3	6.6	2.9	9.8	7.5	3.2
INITIAL PACEMAKER INSERTION	118	2.5	3.5	1.8	3.4	6.3	3.0	6.8	9.0	3.1
CAROTID ENDARTERECTOMY	64	1.6	1.3	1.4	1.6	2.5	2.1	1.6	3.7	3.0
HIP REPLACEMENT/RECONSTRUCTION	299	2.7	3.6	1.4	6.4	6.5	2.2	7.7	8.6	2.0
OPEN REDUCTION OF HIP FRACTURE	172	6.4	5.3	2.0	10.5	9.7	2.3	14.0	13.0	3.0
PROSTATECTOMY	570	1.1	0.8	0.4	3.2	1.9	0.9	4.6	3.2	0.9
CHOLECYSTECTOMY	420	3.1	2.5	1.0	5.7	4.5	1.6	8.1	6.0	2.0
HYSTERECTOMY	157	0.0	0.4	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 92,609

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.00	30.06	0.18	0.77	0.00	4.57	4.52	0.07	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.90	0.03	0.84	0.03					
CONGESTIVE HEART FAILURE	1.25	1.89	0.04	0.66	0.02					
PNEUMONIA/INFLUENZA	0.94	1.32	0.04	0.71	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.62	0.03	0.71	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.44	0.02	0.42	0.02					
STROKE	0.73	0.98	0.03	0.75	0.02					
HIP FRACTURE	0.55	0.54	0.02	1.00	0.05					
SEPSIS	0.27	0.40	0.02	0.68	0.04					
PROCEDURES:										
ANGIOPLASTY	0.23	0.28	0.02	0.76	0.05					
CORONARY ARTERY BYPASS GRAFT	0.32	0.40	0.02	0.81	0.04					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.74	0.06					
CAROTID ENDARTERECTOMY	0.08	0.13	0.01	0.61	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.38	0.02	0.98	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.26	0.02	0.87	0.06					
PROSTATECTOMY	0.66	0.68	0.03	0.96	0.04					
CHOLECYSTECTOMY	0.52	0.47	0.02	1.10	0.05					
HYSTERECTOMY	0.18	0.18	0.01	1.06	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

SC-(NONMSA) (99SC)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	25,331	9.8	9.1	0.2	14.6	13.7	0.3	18.0	17.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	846	26.7	24.8	1.6	30.6	27.8	2.0	33.2	30.6	1.8
CONGESTIVE HEART FAILURE	1,653	13.3	13.1	0.9	20.2	21.0	1.0	26.9	26.8	1.2
PNEUMONIA/INFLUENZA	1,392	13.0	13.9	1.2	20.1	19.0	1.4	23.5	22.5	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	430	7.7	7.0	1.4	11.6	12.5	1.8	15.1	16.7	2.4
TRANSIENT CEREBRAL ISCHEMIA	352	2.0	1.6	0.7	4.3	3.6	1.2	6.5	6.0	2.2
STROKE	1,337	20.8	18.1	1.6	27.1	24.0	1.7	30.7	27.6	1.8
HIP FRACTURE	540	8.1	6.0	1.5	10.6	10.6	1.6	13.0	13.9	1.7
SEPSIS	365	27.4	25.7	3.8	35.6	32.8	4.4	40.8	37.4	4.1
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	179	3.4	3.4	1.6	6.1	6.6	2.1	8.9	9.5	2.2
CAROTID ENDARTERECTOMY	47	4.3	1.4	*	4.3	2.6	*	6.4	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	311	5.1	3.7	1.3	6.4	6.9	1.5	8.0	9.3	1.9
OPEN REDUCTION OF HIP FRACTURE	270	5.2	5.3	1.4	9.3	9.7	2.0	11.1	12.9	2.4
PROSTATECTOMY	719	1.8	0.9	0.6	3.5	2.2	0.8	5.4	3.7	1.1
CHOLECYSTECTOMY	474	3.6	2.4	1.0	6.1	4.3	1.4	7.2	5.7	1.6
HYSTERECTOMY	169	0.0	0.7	0.8	1.8	1.5	1.6	1.8	2.2	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 205,045

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.85	32.59	0.13	0.79	0.00	4.54	4.72	0.05	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.90	0.02	0.96	0.02					
CONGESTIVE HEART FAILURE	1.66	2.12	0.03	0.79	0.01					
PNEUMONIA/INFLUENZA	1.16	1.45	0.03	0.80	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.42	0.68	0.02	0.64	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.48	0.02	0.69	0.02					
STROKE	1.05	1.12	0.02	0.94	0.02					
HIP FRACTURE	0.45	0.49	0.02	0.92	0.03					
SEPSIS	0.35	0.47	0.02	0.75	0.02					
PROCEDURES:										
ANGIOPLASTY	0.26	0.27	0.01	1.00	0.05					
CORONARY ARTERY BYPASS GRAFT	0.32	0.38	0.01	0.84	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.06	0.06					
CAROTID ENDARTERECTOMY	0.08	0.12	0.01	0.64	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.34	0.01	1.00	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.24	0.01	0.94	0.05					
PROSTATECTOMY	0.63	0.71	0.02	0.89	0.02					
CHOLECYSTECTOMY	0.37	0.47	0.01	0.81	0.03					
HYSTERECTOMY	0.15	0.16	0.01	0.96	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

RAPID CITY, SD (6660)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,713	6.6	7.7	0.7	10.6	11.7	1.0	13.3	14.8	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	100	19.0	28.6	6.9	27.0	31.5	5.7	27.0	33.9	6.1
CONGESTIVE HEART FAILURE	103	12.6	15.0	4.1	19.4	23.8	6.6	24.3	30.2	8.2
PNEUMONIA/INFLUENZA	127	10.2	14.9	4.5	15.0	20.0	5.5	18.1	23.7	6.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	46	8.7	7.9	*	23.9	14.2	*	28.3	19.1	*
TRANSIENT CEREBRAL ISCHEMIA	32	0.0	2.0	*	0.0	4.6	*	0.0	7.3	*
STROKE	76	18.4	21.5	5.3	26.3	27.3	5.4	27.6	30.9	6.2
HIP FRACTURE	69	4.3	6.0	4.5	5.8	10.5	6.0	10.1	13.7	6.0
SEPSIS	26	19.2	21.4	*	23.1	28.4	*	23.1	32.8	*
PROCEDURES:										
ANGIOPLASTY	12	0.0	4.5	*	0.0	5.6	*	0.0	6.8	*
CORONARY ARTERY BYPASS GRAFT	66	3.0	5.3	4.6	4.5	7.1	6.1	4.5	7.9	6.0
INITIAL PACEMAKER INSERTION	25	4.0	2.3	*	4.0	4.8	*	4.0	7.4	*
CAROTID ENDARTERECTOMY	20	5.0	1.2	*	5.0	2.3	*	10.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	82	4.9	2.4	2.1	4.9	4.7	2.9	8.5	6.4	3.0
OPEN REDUCTION OF HIP FRACTURE	40	2.5	5.1	*	5.0	9.1	*	7.5	12.2	*
PROSTATECTOMY	187	0.0	0.8	1.5	2.1	2.0	1.2	3.2	3.4	1.7
CHOLECYSTECTOMY	41	2.4	2.3	*	2.4	4.1	*	4.9	5.6	*
HYSTERECTOMY	31	3.2	0.5	*	6.5	1.3	*	6.5	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 9,530

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.09	28.28	0.54	0.99	0.02	4.26	4.58	0.22	0.93	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.92	0.10	1.11	0.12					
CONGESTIVE HEART FAILURE	1.65	1.65	0.13	0.98	0.08					
PNEUMONIA/INFLUENZA	1.61	1.46	0.12	1.09	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.59	0.08	1.02	0.14					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.37	0.06	0.81	0.14					
STROKE	0.62	0.89	0.10	0.67	0.07					
HIP FRACTURE	0.61	0.62	0.08	0.99	0.13					
SEPSIS	0.26	0.34	0.06	0.75	0.14					
PROCEDURES:										
ANGIOPLASTY	0.13	0.29	0.06	0.51	0.10					
CORONARY ARTERY BYPASS GRAFT	0.49	0.38	0.06	1.26	0.22					
INITIAL PACEMAKER INSERTION	0.12	0.19	0.04	0.69	0.17					
CAROTID ENDARTERECTOMY	0.13	0.13	0.04	0.89	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.45	0.07	1.36	0.22					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.29	0.05	1.16	0.23					
PROSTATECTOMY	1.50	0.72	0.09	2.09	0.26					
CHOLECYSTECTOMY	0.42	0.48	0.07	0.99	0.15					
HYSTERECTOMY	0.23	0.18	0.04	1.23	0.32					

** QUANTITIES COULD NOT BE ESTIMATED

SIOUX FALLS, SD (7760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,390	6.4	7.9	0.4	10.1	12.2	0.5	13.1	15.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	319	19.4	26.5	3.3	22.9	29.3	3.4	24.1	31.9	3.5
CONGESTIVE HEART FAILURE	225	17.3	14.9	3.9	26.2	23.4	5.3	33.3	29.6	4.9
PNEUMONIA/INFLUENZA	198	11.1	14.9	3.7	15.7	20.9	4.9	18.2	24.8	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	85	5.9	8.7	4.3	10.6	15.0	6.1	15.3	19.8	6.7
TRANSIENT CEREBRAL ISCHEMIA	77	0.0	1.6	2.0	1.3	3.4	2.7	2.6	5.4	3.5
STROKE	179	15.6	20.6	4.1	20.1	27.3	5.1	24.0	31.3	5.7
HIP FRACTURE	178	4.5	6.4	2.6	7.3	11.4	3.3	9.6	14.9	3.8
SEPSIS	37	21.6	20.5	*	32.4	28.0	*	37.8	32.8	*
PROCEDURES:										
ANGIOPLASTY	282	2.8	4.5	2.0	4.3	5.6	1.6	5.7	6.5	1.6
CORONARY ARTERY BYPASS GRAFT	309	3.6	7.0	2.1	5.8	9.6	2.3	6.5	10.7	2.3
INITIAL PACEMAKER INSERTION	89	1.1	3.2	2.1	2.2	6.1	3.2	2.2	8.6	4.0
CAROTID ENDARTERECTOMY	79	2.5	1.8	1.8	3.8	3.3	2.1	3.8	4.8	2.8
HIP REPLACEMENT/RECONSTRUCTION	306	2.3	2.2	1.0	2.6	4.0	1.5	3.3	5.4	2.0
OPEN REDUCTION OF HIP FRACTURE	70	1.4	6.5	4.1	7.1	11.7	5.9	10.0	15.4	6.1
PROSTATECTOMY	231	0.9	0.9	0.8	1.7	2.1	1.3	3.5	3.7	2.1
CHOLECYSTECTOMY	145	4.1	4.6	3.3	4.8	8.2	3.5	6.9	10.5	3.7
HYSTERECTOMY	104	0.0	0.8	1.2	0.0	1.9	2.1	0.0	2.9	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,971

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.80	28.64	0.41	0.97	0.01	3.95	4.89	0.17	0.81	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.93	0.07	1.01	0.08					
CONGESTIVE HEART FAILURE	1.40	1.70	0.10	0.82	0.05					
PNEUMONIA/INFLUENZA	1.24	1.54	0.10	0.79	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.52	0.57	0.06	0.93	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.37	0.05	0.72	0.10					
STROKE	0.75	0.91	0.07	0.81	0.07					
HIP FRACTURE	0.55	0.69	0.06	0.80	0.08					
SEPSIS	0.21	0.35	0.05	0.59	0.08					
PROCEDURES:										
ANGIOPLASTY	0.52	0.27	0.04	1.94	0.30					
CORONARY ARTERY BYPASS GRAFT	0.48	0.36	0.05	1.31	0.18					
INITIAL PACEMAKER INSERTION	0.23	0.19	0.03	1.12	0.21					
CAROTID ENDARTERECTOMY	0.12	0.12	0.03	1.25	0.32					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.48	0.05	1.05	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.32	0.04	0.65	0.09					
PROSTATECTOMY	0.69	0.71	0.06	0.94	0.09					
CHOLECYSTECTOMY	0.59	0.46	0.05	1.27	0.15					
HYSTERECTOMY	0.31	0.18	0.03	1.62	0.32					

** QUANTITIES COULD NOT BE ESTIMATED

SD-(NONMSA) (99SD)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,938	8.5	8.9	0.3	12.3	13.5	0.4	15.1	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	526	29.7	27.8	2.4	33.8	31.2	2.3	36.1	34.2	2.3
CONGESTIVE HEART FAILURE	770	15.2	15.4	1.3	22.2	24.2	1.9	27.9	30.6	2.3
PNEUMONIA/INFLUENZA	1,320	11.9	15.4	1.4	17.3	21.3	1.7	20.6	25.2	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	211	5.7	7.4	2.2	10.9	13.3	2.8	14.2	18.1	3.3
TRANSIENT CEREBRAL ISCHEMIA	190	0.5	1.9	1.5	2.6	4.3	2.3	4.7	7.1	3.2
STROKE	488	27.0	19.5	1.9	32.4	26.3	2.3	35.5	30.4	2.6
HIP FRACTURE	332	9.9	6.4	2.4	14.8	11.4	2.5	18.1	15.0	2.7
SEPSIS	122	29.5	25.8	5.6	36.1	34.0	4.8	37.7	39.1	5.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	76	3.9	3.6	2.2	7.9	7.2	3.4	11.8	10.6	4.3
CAROTID ENDARTERECTOMY	12	0.0	1.6	*	0.0	3.3	*	0.0	5.1	*
HIP REPLACEMENT/RECONSTRUCTION	202	5.4	3.5	2.1	7.4	6.4	2.2	9.9	8.6	2.3
OPEN REDUCTION OF HIP FRACTURE	120	10.0	5.9	4.3	17.5	10.9	6.1	20.8	14.6	6.1
PROSTATECTOMY	575	0.5	1.2	0.6	1.9	2.7	1.0	3.3	4.6	1.3
CHOLECYSTECTOMY	312	3.5	2.3	1.5	5.8	4.5	1.8	6.1	6.2	2.1
HYSTERECTOMY	117	0.0	0.5	0.9	0.9	1.2	1.1	0.9	1.9	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 89,014

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.89	30.49	0.18	1.08	0.01	4.60	4.92	0.07	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.25	1.04	0.03	1.22	0.04					
CONGESTIVE HEART FAILURE	1.78	1.77	0.05	0.98	0.03					
PNEUMONIA/INFLUENZA	2.42	1.78	0.04	1.35	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.61	0.03	0.91	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.39	0.02	1.05	0.07					
STROKE	0.94	1.00	0.03	0.96	0.03					
HIP FRACTURE	0.68	0.71	0.03	0.90	0.04					
SEPSIS	0.29	0.34	0.02	0.83	0.06					
PROCEDURES:										
ANGIOPLASTY	0.31	0.28	0.02	1.07	0.08					
CORONARY ARTERY BYPASS GRAFT	0.44	0.39	0.02	1.15	0.07					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.02	1.09	0.10					
CAROTID ENDARTERECTOMY	0.14	0.13	0.01	1.18	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.63	0.54	0.02	1.13	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.32	0.02	0.79	0.06					
PROSTATECTOMY	1.10	0.86	0.03	1.26	0.05					
CHOLECYSTECTOMY	0.60	0.53	0.02	1.16	0.06					
HYSTERECTOMY	0.25	0.19	0.01	1.23	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

CHATTANOOGA, TN-GA (1560)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	14,598	9.2	9.2	0.3	13.9	13.9	0.3	17.0	17.2	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	416	21.9	25.6	3.5	25.5	28.5	3.5	28.6	31.1	3.8
CONGESTIVE HEART FAILURE	689	16.5	13.6	2.1	25.5	21.6	2.7	30.6	27.5	2.7
PNEUMONIA/INFLUENZA	726	15.6	15.6	1.3	19.3	21.3	1.7	22.3	24.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	279	7.5	8.6	1.8	11.8	15.2	2.7	15.8	20.1	3.0
TRANSIENT CEREBRAL ISCHEMIA	234	1.3	1.9	1.5	2.6	4.2	2.2	6.8	6.7	3.2
STROKE	511	20.7	20.6	1.9	28.0	27.1	2.4	31.3	30.8	2.3
HIP FRACTURE	350	6.0	6.7	1.5	10.3	11.6	2.2	12.9	15.0	3.0
SEPSIS	159	27.0	23.9	5.8	33.3	30.8	4.9	36.5	35.3	4.7
PROCEDURES:										
ANGIOPLASTY	117	1.7	2.6	1.7	3.4	3.4	1.7	4.3	4.2	2.4
CORONARY ARTERY BYPASS GRAFT	220	5.9	5.6	1.7	8.2	7.9	1.8	10.5	8.9	2.1
INITIAL PACEMAKER INSERTION	79	2.5	2.6	1.9	5.1	4.9	2.5	6.3	7.0	3.0
CAROTID ENDARTERECTOMY	57	3.5	1.5	3.3	7.0	2.9	4.8	7.0	4.3	4.7
HIP REPLACEMENT/RECONSTRUCTION	254	2.8	3.4	1.2	4.3	6.2	1.9	7.1	8.3	2.1
OPEN REDUCTION OF HIP FRACTURE	196	4.6	5.6	1.8	10.2	10.1	2.3	13.3	13.3	2.6
PROSTATECTOMY	388	0.8	1.0	0.7	1.5	2.2	1.1	3.1	3.8	1.1
CHOLECYSTECTOMY	294	2.4	2.5	1.5	3.7	4.5	1.7	5.4	6.1	1.7
HYSTERECTOMY	116	0.9	0.3	0.7	1.7	0.8	1.2	2.6	1.3	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 65,038

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.95	30.54	0.22	1.01	0.01	5.07	4.68	0.08	1.08	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.81	0.93	0.04	0.88	0.04					
CONGESTIVE HEART FAILURE	1.83	1.93	0.05	0.94	0.03					
PNEUMONIA/INFLUENZA	1.53	1.42	0.05	1.07	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.64	0.03	1.10	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.45	0.03	1.02	0.06					
STROKE	1.06	1.00	0.04	1.06	0.04					
HIP FRACTURE	0.65	0.59	0.03	1.10	0.06					
SEPSIS	0.40	0.39	0.02	1.00	0.06					
PROCEDURES:										
ANGIOPLASTY	0.22	0.28	0.02	0.79	0.06					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.02	1.07	0.07					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.02	0.69	0.06					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.77	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.42	0.03	1.03	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.28	0.02	1.29	0.10					
PROSTATECTOMY	0.66	0.70	0.03	0.95	0.04					
CHOLECYSTECTOMY	0.52	0.48	0.03	1.06	0.06					
HYSTERECTOMY	0.17	0.18	0.02	0.97	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

CLARKSVILLE-HOPKINSVILL, TN-KY (1660)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	3,165	10.5	9.2	0.7	16.2	14.0	1.0	19.7	17.6	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	102	28.4	27.3	5.0	35.3	30.2	6.2	37.3	33.0	5.9
CONGESTIVE HEART FAILURE	137	12.4	14.1	3.6	21.9	22.5	3.6	27.7	28.5	4.0
PNEUMONIA/INFLUENZA	210	14.3	15.3	3.1	21.9	21.2	4.3	25.2	25.0	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	76	6.6	6.0	2.9	10.5	11.2	4.4	13.2	15.5	6.3
TRANSIENT CEREBRAL ISCHEMIA	36	0.0	1.6	*	2.8	3.8	*	2.8	6.2	*
STROKE	153	19.6	18.6	3.4	28.8	25.0	4.7	30.7	28.8	4.2
HIP FRACTURE	101	10.9	6.7	4.9	15.8	11.6	5.9	18.8	14.9	6.0
SEPSIS	48	25.0	28.3	*	41.7	37.4	*	47.9	42.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	17	5.9	2.5	*	5.9	5.3	*	5.9	7.8	*
CAROTID ENDARTERECTOMY	9	0.0	1.6	*	11.1	2.8	*	11.1	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	46	6.5	4.0	*	13.0	7.5	*	17.4	10.1	*
OPEN REDUCTION OF HIP FRACTURE	62	12.9	6.5	7.3	16.1	11.8	8.4	19.4	15.4	7.8
PROSTATECTOMY	179	0.0	0.9	1.3	1.7	2.2	1.6	2.8	3.7	2.5
CHOLECYSTECTOMY	110	6.4	3.2	2.7	9.1	6.3	3.2	10.9	8.6	3.9
HYSTERECTOMY	43	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,633

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	29.84	31.48	0.43	0.95	0.01	4.80	4.86	0.17	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.93	0.07	1.10	0.09					
CONGESTIVE HEART FAILURE	1.55	1.95	0.11	0.81	0.04					
PNEUMONIA/INFLUENZA	1.68	1.54	0.10	1.10	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.65	0.65	0.06	1.02	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.44	0.05	0.80	0.10					
STROKE	1.10	1.06	0.08	1.02	0.08					
HIP FRACTURE	0.61	0.58	0.06	1.06	0.11					
SEPSIS	0.43	0.43	0.05	0.97	0.12					
PROCEDURES:										
ANGIOPLASTY	0.19	0.28	0.04	0.63	0.10					
CORONARY ARTERY BYPASS GRAFT	0.24	0.38	0.05	0.63	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.04	0.98	0.18					
CAROTID ENDARTERECTOMY	0.16	0.13	0.03	1.19	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.39	0.05	1.05	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.29	0.04	1.21	0.19					
PROSTATECTOMY	0.87	0.72	0.07	1.21	0.11					
CHOLECYSTECTOMY	0.72	0.48	0.05	1.56	0.18					
HYSTERECTOMY	0.23	0.17	0.03	1.31	0.27					

** QUANTITIES COULD NOT BE ESTIMATED

JACKSON, TN (3580)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,212	9.7	8.7	0.5	14.7	13.3	0.7	17.9	16.8	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	255	32.9	27.4	3.9	36.5	30.0	4.3	38.0	32.4	4.3
CONGESTIVE HEART FAILURE	228	15.8	14.3	4.3	28.9	22.2	4.8	32.0	28.0	5.4
PNEUMONIA/INFLUENZA	170	15.3	15.6	4.1	19.4	21.5	5.3	23.5	25.2	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	158	6.3	6.6	2.6	15.8	12.3	4.0	20.9	16.8	5.1
TRANSIENT CEREBRAL ISCHEMIA	71	1.4	1.6	1.7	2.8	3.6	3.2	4.2	5.9	5.7
STROKE	244	19.7	20.9	2.7	23.0	26.7	3.2	27.5	30.2	3.2
HIP FRACTURE	254	8.7	5.8	2.7	15.0	10.3	3.7	17.7	13.6	3.8
SEPSIS	49	32.7	26.3	*	42.9	34.3	*	49.0	39.1	*
PROCEDURES:										
ANGIOPLASTY	61	6.6	3.6	4.9	6.6	4.5	5.8	11.5	5.4	6.9
CORONARY ARTERY BYPASS GRAFT	194	3.1	5.9	2.2	4.6	7.9	2.3	6.2	8.7	2.2
INITIAL PACEMAKER INSERTION	80	2.5	2.5	1.7	5.0	4.8	3.0	10.0	6.9	4.1
CAROTID ENDARTERECTOMY	31	3.2	2.4	*	3.2	4.4	*	3.2	5.9	*
HIP REPLACEMENT/RECONSTRUCTION	149	6.7	3.9	2.5	10.7	7.2	3.0	12.8	9.6	3.7
OPEN REDUCTION OF HIP FRACTURE	135	7.4	5.0	3.1	13.3	9.3	4.9	16.3	12.5	4.9
PROSTATECTOMY	224	0.9	1.0	0.9	1.8	2.4	1.5	3.1	4.1	2.1
CHOLECYSTECTOMY	163	4.3	1.7	1.7	6.1	3.0	2.4	8.6	4.0	2.5
HYSTERECTOMY	47	2.1	0.2	*	4.3	0.6	*	4.3	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 12,761

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.82	32.03	0.50	0.84	0.01	4.97	5.13	0.20	0.97	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.88	0.08	0.86	0.08					
CONGESTIVE HEART FAILURE	1.53	2.06	0.13	0.73	0.04					
PNEUMONIA/INFLUENZA	1.16	1.54	0.11	0.75	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.67	0.59	0.07	1.06	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.44	0.06	0.61	0.08					
STROKE	1.06	1.12	0.09	0.93	0.08					
HIP FRACTURE	0.67	0.60	0.07	1.11	0.13					
SEPSIS	0.28	0.47	0.06	0.57	0.08					
PROCEDURES:										
ANGIOPLASTY	0.18	0.25	0.04	0.62	0.12					
CORONARY ARTERY BYPASS GRAFT	0.50	0.33	0.05	1.56	0.25					
INITIAL PACEMAKER INSERTION	0.27	0.21	0.04	1.10	0.23					
CAROTID ENDARTERECTOMY	0.12	0.11	0.03	1.00	0.30					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.39	0.05	0.92	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.38	0.30	0.05	1.26	0.22					
PROSTATECTOMY	0.67	0.68	0.07	1.04	0.11					
CHOLECYSTECTOMY	0.54	0.44	0.06	1.20	0.17					
HYSTERECTOMY	0.13	0.16	0.04	0.72	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA (3660)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	15,942	8.9	8.7	0.3	13.9	13.2	0.5	16.8	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	547	26.7	27.4	2.3	30.5	30.1	2.4	32.2	32.8	2.1
CONGESTIVE HEART FAILURE	718	15.2	14.2	1.4	26.6	22.6	2.3	32.5	28.8	2.4
PNEUMONIA/INFLUENZA	904	14.6	15.2	1.3	21.7	21.1	1.6	25.3	25.0	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	270	4.8	6.1	1.8	12.6	11.0	2.9	13.7	14.9	2.6
TRANSIENT CEREBRAL ISCHEMIA	270	1.5	1.7	0.9	4.1	3.9	1.3	7.0	6.3	1.6
STROKE	521	21.1	20.2	1.9	28.2	26.2	2.3	30.7	29.8	2.3
HIP FRACTURE	371	3.5	6.0	1.9	8.6	10.5	2.5	10.5	13.7	2.9
SEPSIS	173	26.6	20.4	5.7	32.4	28.9	4.5	35.3	33.8	3.9
PROCEDURES:										
ANGIOPLASTY	84	6.0	4.0	2.4	6.0	5.1	2.7	7.1	6.2	2.9
CORONARY ARTERY BYPASS GRAFT	182	5.5	5.6	1.7	7.1	7.7	2.1	8.2	8.9	2.4
INITIAL PACEMAKER INSERTION	68	0.0	3.1	3.1	1.5	6.0	4.6	4.4	8.7	5.6
CAROTID ENDARTERECTOMY	81	0.0	1.3	1.7	0.0	2.5	2.7	1.2	3.6	2.8
HIP REPLACEMENT/RECONSTRUCTION	273	2.2	3.3	1.5	5.5	6.2	1.7	7.3	8.3	2.3
OPEN REDUCTION OF HIP FRACTURE	157	3.2	5.9	3.2	9.6	10.6	4.1	11.5	13.9	3.9
PROSTATECTOMY	346	0.6	0.8	0.5	1.4	2.0	0.9	2.9	3.5	1.3
CHOLECYSTECTOMY	351	2.8	2.4	0.9	4.8	4.3	1.3	6.8	5.7	1.7
HYSTERECTOMY	125	0.0	0.6	0.8	0.8	1.2	1.1	0.8	2.0	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 76,687

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.72	30.95	0.20	0.96	0.01	4.57	4.55	0.08	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	1.02	0.04	0.93	0.03					
CONGESTIVE HEART FAILURE	1.76	1.89	0.05	0.93	0.02					
PNEUMONIA/INFLUENZA	1.81	1.60	0.05	1.13	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.74	0.03	0.81	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.46	0.02	0.93	0.05					
STROKE	0.89	0.95	0.03	0.94	0.03					
HIP FRACTURE	0.61	0.61	0.03	0.99	0.05					
SEPSIS	0.36	0.36	0.02	1.01	0.06					
PROCEDURES:										
ANGIOPLASTY	0.16	0.31	0.02	0.54	0.04					
CORONARY ARTERY BYPASS GRAFT	0.31	0.43	0.02	0.72	0.04					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.02	0.72	0.06					
CAROTID ENDARTERECTOMY	0.11	0.16	0.01	0.71	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.44	0.02	0.90	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.02	0.90	0.06					
PROSTATECTOMY	0.52	0.73	0.03	0.71	0.03					
CHOLECYSTECTOMY	0.50	0.55	0.03	0.90	0.04					
HYSTERECTOMY	0.16	0.19	0.02	0.85	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

KNOXVILLE, TN (3840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	22,548	8.5	8.4	0.2	13.1	12.8	0.4	16.3	16.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	784	23.2	24.6	1.8	26.5	27.5	1.8	29.3	30.0	2.1
CONGESTIVE HEART FAILURE	984	14.2	13.9	1.3	21.5	22.2	1.8	27.6	28.1	2.6
PNEUMONIA/INFLUENZA	928	14.4	14.7	1.2	20.8	20.4	1.4	23.8	24.1	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	367	4.4	6.7	1.9	9.8	11.9	2.4	12.8	15.9	2.5
TRANSIENT CEREBRAL ISCHEMIA	303	1.7	1.7	0.8	2.0	3.7	1.4	5.0	5.9	1.7
STROKE	784	17.7	19.4	2.0	23.6	25.2	2.7	26.7	28.9	2.5
HIP FRACTURE	623	5.1	6.1	1.4	8.7	10.8	1.7	12.0	14.1	1.7
SEPSIS	220	25.5	24.2	3.1	35.9	31.9	4.6	39.1	36.3	4.0
PROCEDURES:										
ANGIOPLASTY	289	5.5	3.9	2.1	6.9	5.0	2.5	8.3	6.1	2.5
CORONARY ARTERY BYPASS GRAFT	415	4.1	5.9	1.7	6.0	8.2	2.0	7.7	9.2	2.0
INITIAL PACEMAKER INSERTION	135	4.4	3.2	2.3	9.6	6.1	3.9	13.3	8.6	5.2
CAROTID ENDARTERECTOMY	178	3.4	1.7	1.4	5.6	3.2	1.9	7.3	4.7	2.6
HIP REPLACEMENT/RECONSTRUCTION	447	3.6	3.5	1.4	5.8	6.4	1.9	7.6	8.6	1.8
OPEN REDUCTION OF HIP FRACTURE	315	6.0	5.5	1.4	9.2	10.0	1.9	13.0	13.2	2.1
PROSTATECTOMY	732	1.0	0.9	0.4	1.9	2.1	0.8	3.4	3.6	1.3
CHOLECYSTECTOMY	516	2.3	2.2	0.7	4.1	4.1	0.9	6.2	5.5	1.5
HYSTERECTOMY	222	1.8	0.8	1.3	4.1	1.7	2.7	5.0	2.6	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 93,471

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.40	30.29	0.18	0.94	0.01	4.72	4.58	0.07	1.03	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.91	0.97	0.03	0.94	0.03					
CONGESTIVE HEART FAILURE	1.57	1.86	0.04	0.84	0.02					
PNEUMONIA/INFLUENZA	1.30	1.50	0.04	0.87	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.68	0.03	0.85	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.44	0.02	0.86	0.04					
STROKE	1.01	0.96	0.03	1.06	0.04					
HIP FRACTURE	0.63	0.61	0.03	1.04	0.04					
SEPSIS	0.35	0.37	0.02	0.94	0.05					
PROCEDURES:										
ANGIOPLASTY	0.28	0.30	0.02	0.95	0.06					
CORONARY ARTERY BYPASS GRAFT	0.42	0.41	0.02	1.04	0.05					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.73	0.06					
CAROTID ENDARTERECTOMY	0.16	0.14	0.01	1.12	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.43	0.02	0.97	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.28	0.02	1.15	0.07					
PROSTATECTOMY	0.72	0.71	0.03	1.00	0.04					
CHOLECYSTECTOMY	0.56	0.51	0.02	1.08	0.05					
HYSTERECTOMY	0.20	0.18	0.01	1.09	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

MEMPHIS, TN-AR-MS (4920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	32,421	8.1	9.0	0.2	13.4	13.8	0.5	16.8	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	742	22.6	27.2	2.0	27.2	30.2	1.9	31.0	32.7	2.2
CONGESTIVE HEART FAILURE	1,556	13.0	13.4	1.0	22.9	21.3	1.2	29.1	27.2	1.4
PNEUMONIA/INFLUENZA	901	16.6	15.7	1.5	22.5	21.4	1.7	25.7	25.1	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	534	7.9	7.6	2.4	12.9	13.6	2.8	16.7	17.9	3.0
TRANSIENT CEREBRAL ISCHEMIA	521	2.3	1.6	1.1	4.4	3.6	1.8	6.7	5.7	2.0
STROKE	1,212	16.3	19.7	1.6	22.9	26.0	1.8	27.1	29.6	2.4
HIP FRACTURE	624	5.8	6.8	1.3	11.7	11.9	1.6	15.1	15.4	1.5
SEPSIS	608	32.6	29.1	2.4	41.8	36.9	2.9	46.4	41.5	2.9
PROCEDURES:										
ANGIOPLASTY	381	2.4	3.5	1.1	3.9	4.4	1.1	6.0	5.3	1.2
CORONARY ARTERY BYPASS GRAFT	834	6.5	6.1	1.1	9.7	8.5	1.2	11.4	9.6	1.2
INITIAL PACEMAKER INSERTION	356	3.1	3.8	1.7	6.7	7.3	2.5	9.3	10.4	2.4
CAROTID ENDARTERECTOMY	187	1.6	1.6	1.0	1.6	2.9	1.6	4.3	4.2	1.5
HIP REPLACEMENT/RECONSTRUCTION	406	2.5	3.3	1.3	5.7	6.1	1.4	7.4	8.3	1.6
OPEN REDUCTION OF HIP FRACTURE	249	3.2	6.4	2.4	8.0	11.5	3.4	11.2	15.1	3.6
PROSTATECTOMY	1,004	1.1	1.2	0.3	3.1	2.8	0.5	5.6	4.7	0.8
CHOLECYSTECTOMY	533	1.5	2.9	1.0	4.3	5.1	1.3	5.4	6.5	1.5
HYSTERECTOMY	222	0.0	0.6	0.6	2.3	1.4	1.8	3.2	2.3	2.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 117,521

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.12	30.46	0.16	1.02	0.00	5.18	4.89	0.06	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.65	0.80	0.03	0.81	0.03					
CONGESTIVE HEART FAILURE	1.93	2.01	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	1.04	1.29	0.03	0.81	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.54	0.02	1.16	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.42	0.02	1.11	0.05					
STROKE	1.10	1.07	0.03	1.03	0.03					
HIP FRACTURE	0.57	0.52	0.02	1.09	0.04					
SEPSIS	0.71	0.46	0.02	1.55	0.07					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.26	0.08					
CORONARY ARTERY BYPASS GRAFT	0.53	0.31	0.02	1.70	0.09					
INITIAL PACEMAKER INSERTION	0.30	0.19	0.01	1.54	0.11					
CAROTID ENDARTERECTOMY	0.11	0.09	0.01	1.27	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.36	0.02	0.87	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.25	0.01	0.90	0.05					
PROSTATECTOMY	0.76	0.67	0.02	1.14	0.04					
CHOLECYSTECTOMY	0.42	0.39	0.02	1.06	0.05					
HYSTERECTOMY	0.17	0.16	0.01	1.06	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

NASHVILLE, TN (5360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	33,710	7.6	8.3	0.2	12.3	12.8	0.2	15.5	16.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,013	26.3	24.3	2.9	29.5	27.3	2.8	32.6	29.9	2.8
CONGESTIVE HEART FAILURE	1,508	12.5	13.9	1.3	20.8	22.4	1.6	26.3	28.5	1.7
PNEUMONIA/INFLUENZA	1,485	13.9	14.7	1.7	19.6	20.4	1.8	23.2	24.1	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	535	7.5	7.3	1.1	12.5	13.1	1.5	17.2	17.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	556	1.3	1.6	0.6	3.4	3.6	0.8	5.2	5.8	1.0
STROKE	1,154	15.7	18.5	1.5	23.0	24.7	1.4	27.4	28.4	1.4
HIP FRACTURE	713	5.0	6.3	1.4	10.1	11.2	2.2	13.6	14.5	2.2
SEPSIS	418	27.0	24.7	3.2	34.9	32.9	3.4	40.9	37.6	3.9
PROCEDURES:										
ANGIOPLASTY	350	4.6	3.7	1.2	4.9	4.6	1.3	6.0	5.6	1.3
CORONARY ARTERY BYPASS GRAFT	683	6.6	5.8	1.1	9.7	8.4	1.5	10.8	9.5	1.6
INITIAL PACEMAKER INSERTION	212	2.4	2.9	1.4	5.2	5.8	1.8	7.5	8.4	2.0
CAROTID ENDARTERECTOMY	252	0.4	1.4	1.1	2.0	2.6	1.3	3.2	3.9	1.3
HIP REPLACEMENT/RECONSTRUCTION	613	3.6	3.2	0.8	6.7	6.0	1.2	9.0	8.1	1.3
OPEN REDUCTION OF HIP FRACTURE	345	4.3	5.6	1.6	7.8	10.3	2.6	12.5	13.6	3.5
PROSTATECTOMY	929	1.7	0.9	0.7	3.1	2.1	1.0	4.5	3.6	1.0
CHOLECYSTECTOMY	661	3.8	2.7	0.9	6.8	4.9	1.4	8.0	6.5	1.4
HYSTERECTOMY	264	0.4	0.7	0.6	0.8	1.7	1.1	2.3	2.7	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 120,936

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.65	28.97	0.15	1.16	0.01	5.02	4.72	0.06	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.87	0.03	1.04	0.03					
CONGESTIVE HEART FAILURE	2.09	1.81	0.04	1.15	0.02					
PNEUMONIA/INFLUENZA	1.64	1.29	0.03	1.27	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.54	0.02	1.33	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.40	0.02	1.22	0.06					
STROKE	1.12	0.97	0.03	1.16	0.03					
HIP FRACTURE	0.69	0.59	0.02	1.18	0.04					
SEPSIS	0.56	0.40	0.02	1.38	0.06					
PROCEDURES:										
ANGIOPLASTY	0.21	0.27	0.01	0.80	0.05					
CORONARY ARTERY BYPASS GRAFT	0.44	0.37	0.02	1.19	0.06					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.84	0.06					
CAROTID ENDARTERECTOMY	0.15	0.11	0.01	1.35	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.42	0.02	1.17	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.29	0.01	1.21	0.07					
PROSTATECTOMY	0.70	0.69	0.02	1.00	0.03					
CHOLECYSTECTOMY	0.52	0.43	0.02	1.21	0.05					
HYSTERECTOMY	0.20	0.17	0.01	1.11	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

TN-(NONMSA) (99TN)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	42,882	9.4	9.2	0.1	13.9	13.9	0.3	17.0	17.4	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,130	31.4	28.2	1.8	34.8	31.4	2.3	37.4	34.4	2.1
CONGESTIVE HEART FAILURE	2,458	15.2	14.1	0.8	22.5	22.6	0.9	28.6	28.8	1.2
PNEUMONIA/INFLUENZA	3,614	13.3	15.0	0.8	19.1	20.6	1.0	22.2	24.3	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,354	4.7	6.3	0.8	9.2	11.6	1.1	13.4	15.8	1.3
TRANSIENT CEREBRAL ISCHEMIA	892	1.9	1.8	0.5	4.0	4.1	0.7	6.4	6.7	0.9
STROKE	1,583	21.0	19.5	1.8	28.5	25.9	1.9	31.8	29.8	1.9
HIP FRACTURE	829	6.4	6.3	0.9	10.4	11.1	1.3	12.9	14.5	1.6
SEPSIS	502	26.1	25.8	2.0	32.7	34.2	2.6	38.4	38.9	3.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	79	3.8	3.9	2.4	7.6	7.2	2.9	15.2	10.0	5.5
CAROTID ENDARTERECTOMY	33	0.0	1.7	*	0.0	3.2	*	0.0	4.9	*
HIP REPLACEMENT/RECONSTRUCTION	391	4.1	4.5	1.3	7.7	8.2	1.4	9.0	10.9	1.9
OPEN REDUCTION OF HIP FRACTURE	382	7.1	5.6	1.4	9.9	10.4	1.6	13.4	13.9	1.8
PROSTATECTOMY	770	1.3	0.9	0.4	2.5	2.1	0.6	3.9	3.6	0.9
CHOLECYSTECTOMY	738	4.9	2.2	1.0	6.5	4.1	1.0	7.3	5.4	1.2
HYSTERECTOMY	243	0.4	0.3	0.4	0.4	0.7	0.5	0.4	1.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 281,069

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.54	32.14	0.11	1.14	0.00	4.74	4.61	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.10	1.03	0.02	1.06	0.02					
CONGESTIVE HEART FAILURE	2.15	1.94	0.03	1.10	0.01					
PNEUMONIA/INFLUENZA	2.28	1.75	0.02	1.30	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.12	0.76	0.02	1.46	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.62	0.46	0.01	1.33	0.04					
STROKE	1.14	1.02	0.02	1.13	0.02					
HIP FRACTURE	0.65	0.60	0.01	1.08	0.03					
SEPSIS	0.39	0.37	0.01	1.06	0.03					
PROCEDURES:										
ANGIOPLASTY	0.23	0.29	0.01	0.78	0.03					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.01	1.05	0.03					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.82	0.04					
CAROTID ENDARTERECTOMY	0.14	0.15	0.01	0.93	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.43	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.11	0.04					
PROSTATECTOMY	0.68	0.76	0.02	0.91	0.02					
CHOLECYSTECTOMY	0.56	0.56	0.01	0.98	0.03					
HYSTERECTOMY	0.18	0.19	0.01	0.99	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

ABILENE, TX (0040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	4,395	12.1	9.8	0.9	16.9	14.8	0.7	20.2	18.5	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	192	34.4	25.7	4.2	38.0	28.7	4.4	39.6	31.4	4.2
CONGESTIVE HEART FAILURE	203	15.8	13.7	3.1	21.7	21.8	3.0	31.0	27.9	4.2
PNEUMONIA/INFLUENZA	151	20.5	13.1	3.7	24.5	18.1	3.8	27.8	21.6	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	46	2.2	8.3	*	8.7	14.9	*	10.9	19.4	*
TRANSIENT CEREBRAL ISCHEMIA	29	3.4	1.6	*	10.3	3.3	*	10.3	5.2	*
STROKE	163	22.1	18.1	4.4	27.0	24.3	5.9	32.5	27.9	6.9
HIP FRACTURE	196	6.6	5.9	2.1	13.3	10.5	3.3	18.4	13.7	3.7
SEPSIS	70	34.3	25.0	9.7	44.3	32.9	10.2	45.7	37.6	8.5
PROCEDURES:										
ANGIOPLASTY	82	0.0	2.8	3.4	2.4	3.6	2.5	2.4	4.5	3.4
CORONARY ARTERY BYPASS GRAFT	98	5.1	5.1	2.3	7.1	7.0	2.8	7.1	7.9	2.9
INITIAL PACEMAKER INSERTION	68	5.9	3.3	3.2	8.8	6.1	3.7	10.3	8.5	3.8
CAROTID ENDARTERECTOMY	49	2.0	2.0	*	8.2	3.8	*	8.2	5.6	*
HIP REPLACEMENT/RECONSTRUCTION	144	5.6	3.8	3.5	9.0	7.1	4.8	13.9	9.4	4.9
OPEN REDUCTION OF HIP FRACTURE	94	7.4	5.7	4.4	17.0	10.2	4.6	19.1	13.5	4.5
PROSTATECTOMY	154	3.2	1.1	1.8	3.9	2.5	1.9	5.2	4.2	2.7
CHOLECYSTECTOMY	118	2.5	2.1	1.4	4.2	4.0	1.8	5.1	5.5	2.4
HYSTERECTOMY	52	1.9	0.6	1.6	1.9	1.5	1.8	1.9	2.5	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,463

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	24.61	29.74	0.42	0.83	0.01	4.94	4.75	0.17	1.04	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.96	0.08	0.98	0.08					
CONGESTIVE HEART FAILURE	1.50	1.81	0.10	0.84	0.05					
PNEUMONIA/INFLUENZA	1.02	1.51	0.10	0.68	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.60	0.06	0.47	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.20	0.41	0.05	0.51	0.06					
STROKE	0.90	0.97	0.08	0.92	0.07					
HIP FRACTURE	0.81	0.66	0.06	1.22	0.12					
SEPSIS	0.44	0.37	0.05	1.19	0.16					
PROCEDURES:										
ANGIOPLASTY	0.33	0.28	0.04	1.18	0.18					
CORONARY ARTERY BYPASS GRAFT	0.49	0.38	0.05	1.27	0.17					
INITIAL PACEMAKER INSERTION	0.29	0.21	0.04	1.42	0.26					
CAROTID ENDARTERECTOMY	0.19	0.13	0.03	1.34	0.32					
HIP REPLACEMENT/RECONSTRUCTION	0.64	0.47	0.05	1.33	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.38	0.31	0.04	1.33	0.19					
PROSTATECTOMY	0.63	0.73	0.07	0.84	0.08					
CHOLECYSTECTOMY	0.52	0.49	0.05	1.05	0.12					
HYSTERECTOMY	0.25	0.19	0.03	1.36	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

AMARILLO, TX (0320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,004	9.5	7.4	0.4	14.4	11.5	0.8	17.5	14.7	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	227	26.9	22.0	4.7	30.4	25.0	4.7	33.0	27.6	4.7
CONGESTIVE HEART FAILURE	230	20.4	13.0	3.6	29.1	20.9	3.9	34.3	27.0	3.9
PNEUMONIA/INFLUENZA	360	18.9	14.2	2.5	27.2	19.6	2.9	31.1	23.1	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	128	7.0	7.1	3.2	15.6	12.7	4.2	20.3	16.9	5.4
TRANSIENT CEREBRAL ISCHEMIA	68	1.5	1.4	2.2	5.9	3.2	3.2	7.4	5.4	3.2
STROKE	230	20.9	17.5	3.8	26.1	23.2	3.4	30.4	26.9	3.6
HIP FRACTURE	308	7.5	5.2	2.1	13.3	9.6	2.9	16.2	12.8	3.4
SEPSIS	60	30.0	24.9	7.9	40.0	32.5	8.4	40.0	36.9	6.7
PROCEDURES:										
ANGIOPLASTY	24	0.0	1.6	*	0.0	2.3	*	0.0	3.1	*
CORONARY ARTERY BYPASS GRAFT	118	8.5	4.1	3.0	13.6	5.9	3.6	14.4	6.8	3.7
INITIAL PACEMAKER INSERTION	59	6.8	2.5	3.1	6.8	4.7	3.7	10.2	7.0	3.7
CAROTID ENDARTERECTOMY	35	2.9	1.1	*	8.6	2.2	*	14.3	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	246	4.1	2.5	2.3	6.1	4.8	3.0	7.3	6.6	3.3
OPEN REDUCTION OF HIP FRACTURE	163	8.0	5.2	3.1	15.3	9.9	4.1	19.0	13.4	4.6
PROSTATECTOMY	294	1.0	0.8	0.6	1.7	1.8	0.9	2.4	3.1	1.4
CHOLECYSTECTOMY	172	5.8	3.1	2.1	10.5	6.0	3.2	12.2	8.1	3.4
HYSTERECTOMY	86	0.0	0.5	*	0.0	1.2	*	0.0	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,232

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.01	29.04	0.35	0.93	0.01	5.12	4.55	0.14	1.12	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.96	0.06	0.79	0.05					
CONGESTIVE HEART FAILURE	1.30	1.77	0.09	0.73	0.03					
PNEUMONIA/INFLUENZA	1.58	1.38	0.07	1.14	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.71	0.59	0.05	1.18	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.42	0.04	0.53	0.05					
STROKE	0.91	0.95	0.06	0.97	0.06					
HIP FRACTURE	0.83	0.62	0.05	1.34	0.11					
SEPSIS	0.25	0.36	0.04	0.67	0.07					
PROCEDURES:										
ANGIOPLASTY	0.11	0.29	0.04	0.33	0.04					
CORONARY ARTERY BYPASS GRAFT	0.32	0.41	0.04	0.79	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.03	0.82	0.12					
CAROTID ENDARTERECTOMY	0.08	0.13	0.02	0.73	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.68	0.46	0.04	1.47	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.45	0.29	0.03	1.54	0.19					
PROSTATECTOMY	0.63	0.75	0.06	0.85	0.06					
CHOLECYSTECTOMY	0.52	0.49	0.04	1.04	0.10					
HYSTERECTOMY	0.25	0.19	0.03	1.25	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

AUSTIN, TX (0640)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES................................	13,573	9.5	8.5	0.3	14.5	13.0	0.4	18.0	16.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	426	23.9	23.0	3.3	27.5	26.0	2.9	30.0	28.5	2.7
CONGESTIVE HEART FAILURE...................	668	15.6	14.1	1.6	25.4	22.5	2.8	33.5	28.7	2.7
PNEUMONIA/INFLUENZA........................	644	16.1	14.5	2.1	20.7	19.9	2.0	25.2	23.5	2.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS.......	234	10.7	7.4	2.8	19.2	12.9	3.8	23.1	17.0	4.0
TRANSIENT CEREBRAL ISCHEMIA................	208	1.4	1.4	0.8	4.8	3.3	1.7	5.8	5.5	1.9
STROKE.....................................	544	19.5	19.6	1.8	25.6	25.8	3.2	30.3	29.5	3.5
HIP FRACTURE...............................	499	6.0	6.0	1.1	11.4	10.8	1.7	16.0	14.1	2.2
SEPSIS.....................................	167	38.3	27.8	5.2	47.9	37.2	5.4	50.9	42.5	5.0
PROCEDURES:										
ANGIOPLASTY................................	173	1.7	2.4	1.4	2.3	3.2	1.6	2.3	4.0	2.0
CORONARY ARTERY BYPASS GRAFT...............	207	8.7	6.1	3.0	10.6	8.5	3.6	12.1	9.5	3.9
INITIAL PACEMAKER INSERTION................	113	5.3	3.4	2.8	8.8	6.6	3.2	10.6	9.6	3.0
CAROTID ENDARTERECTOMY.....................	64	1.6	1.2	2.1	3.1	2.2	3.6	4.7	3.3	4.2
HIP REPLACEMENT/RECONSTRUCTION.............	330	3.0	3.3	1.0	6.4	6.1	1.4	8.8	8.2	2.0
OPEN REDUCTION OF HIP FRACTURE.............	272	4.8	5.2	1.4	10.3	9.6	2.2	14.7	12.9	3.3
PROSTATECTOMY..............................	584	1.5	0.8	0.6	2.7	2.0	0.8	4.8	3.5	1.2
CHOLECYSTECTOMY............................	314	4.1	2.7	1.4	6.1	5.0	1.5	7.0	6.6	1.5
HYSTERECTOMY...............................	138	0.0	0.9	1.2	0.7	2.0	1.6	1.4	3.0	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 65,963

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES.................................	25.79	28.23	0.21	0.91	0.01	4.48	4.76	0.08	0.94	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION.................	0.73	0.87	0.04	0.86	0.04					
CONGESTIVE HEART FAILURE....................	1.51	1.73	0.05	0.87	0.03					
PNEUMONIA/INFLUENZA.........................	1.24	1.32	0.04	0.94	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.49	0.54	0.03	0.90	0.05					
TRANSIENT CEREBRAL ISCHEMIA.................	0.38	0.37	0.02	1.04	0.07					
STROKE......................................	0.97	0.94	0.04	1.03	0.04					
HIP FRACTURE................................	0.75	0.60	0.03	1.25	0.06					
SEPSIS......................................	0.37	0.39	0.02	0.98	0.06					
PROCEDURES:										
ANGIOPLASTY.................................	0.26	0.28	0.02	0.97	0.07					
CORONARY ARTERY BYPASS GRAFT................	0.36	0.37	0.02	0.98	0.06					
INITIAL PACEMAKER INSERTION.................	0.18	0.20	0.02	0.92	0.08					
CAROTID ENDARTERECTOMY......................	0.10	0.11	0.01	0.87	0.11					
HIP REPLACEMENT/RECONSTRUCTION..............	0.42	0.42	0.02	1.02	0.06					
OPEN REDUCTION OF HIP FRACTURE..............	0.43	0.30	0.02	1.43	0.10					
PROSTATECTOMY...............................	0.88	0.71	0.03	1.24	0.06					
CHOLECYSTECTOMY.............................	0.50	0.43	0.02	1.16	0.07					
HYSTERECTOMY................................	0.22	0.17	0.02	1.24	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

BEAUMONT-PORT ARTHUR, TX (0840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	14,038	8.7	8.8	0.3	13.3	13.5	0.4	16.4	17.0	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	381	26.8	24.0	3.1	30.2	26.9	3.1	33.3	29.5	3.4
CONGESTIVE HEART FAILURE	689	14.5	13.8	1.9	22.5	22.1	1.6	28.2	28.1	1.8
PNEUMONIA/INFLUENZA	614	13.7	14.1	2.0	19.7	19.5	2.6	22.3	23.2	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	261	6.9	8.1	2.7	13.8	14.3	3.0	18.4	18.8	2.5
TRANSIENT CEREBRAL ISCHEMIA	259	0.8	1.8	1.3	2.3	4.1	2.0	6.2	6.7	2.3
STROKE	523	18.2	18.8	2.9	25.0	25.0	2.8	28.9	28.6	2.6
HIP FRACTURE	278	8.3	6.2	1.9	11.5	10.9	1.9	16.2	14.1	2.5
SEPSIS	242	26.4	26.5	3.0	36.4	35.3	3.1	38.8	40.4	3.5
PROCEDURES:										
ANGIOPLASTY	138	2.2	3.4	1.8	2.2	4.2	2.1	4.3	5.0	2.2
CORONARY ARTERY BYPASS GRAFT	199	7.0	5.4	2.3	8.5	7.3	2.4	9.0	8.1	2.2
INITIAL PACEMAKER INSERTION	113	0.9	3.1	2.0	2.7	6.0	2.9	5.3	8.6	3.6
CAROTID ENDARTERECTOMY	70	2.9	1.6	1.9	2.9	3.1	2.1	2.9	4.6	3.5
HIP REPLACEMENT/RECONSTRUCTION	169	7.7	4.3	3.0	10.7	8.0	3.2	16.0	10.7	4.6
OPEN REDUCTION OF HIP FRACTURE	167	4.8	5.4	2.2	7.8	9.8	3.8	11.4	13.0	4.3
PROSTATECTOMY	575	0.7	1.1	0.5	1.4	2.5	0.9	2.8	4.3	1.2
CHOLECYSTECTOMY	270	4.1	2.8	1.3	7.8	5.5	2.0	9.3	7.5	2.5
HYSTERECTOMY	88	0.0	0.8	1.2	0.0	1.7	2.1	0.0	2.7	3.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 53,683

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	40.30	30.62	0.24	1.32	0.01	4.91	4.71	0.09	1.04	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.91	0.04	0.97	0.04					
CONGESTIVE HEART FAILURE	2.28	1.96	0.06	1.17	0.04					
PNEUMONIA/INFLUENZA	1.79	1.39	0.05	1.28	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.94	0.62	0.03	1.50	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.65	0.44	0.03	1.48	0.10					
STROKE	1.30	1.03	0.04	1.25	0.05					
HIP FRACTURE	0.58	0.55	0.03	1.05	0.06					
SEPSIS	0.77	0.43	0.03	1.77	0.12					
PROCEDURES:										
ANGIOPLASTY	0.35	0.30	0.02	1.21	0.10					
CORONARY ARTERY BYPASS GRAFT	0.50	0.40	0.03	1.22	0.08					
INITIAL PACEMAKER INSERTION	0.31	0.21	0.02	1.50	0.15					
CAROTID ENDARTERECTOMY	0.18	0.14	0.02	1.25	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.41	0.03	1.01	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.27	0.02	1.31	0.11					
PROSTATECTOMY	1.20	0.78	0.04	1.53	0.08					
CHOLECYSTECTOMY	0.64	0.47	0.03	1.33	0.08					
HYSTERECTOMY	0.20	0.17	0.02	1.20	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

BRAZORIA, TX (1145)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,820	13.0	9.6	0.8	18.8	14.4	1.0	22.0	17.8	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	58	29.3	26.3	6.7	31.0	30.1	7.1	36.2	33.0	7.5
CONGESTIVE HEART FAILURE	108	17.6	14.8	5.1	24.1	23.0	5.5	30.6	29.0	4.6
PNEUMONIA/INFLUENZA	159	19.5	14.3	3.8	25.2	19.8	3.5	26.4	23.3	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	48	14.6	7.0	*	27.1	12.2	*	33.3	16.2	*
TRANSIENT CEREBRAL ISCHEMIA	23	0.0	1.3	*	0.0	3.0	*	0.0	5.1	*
STROKE	67	32.8	18.4	7.2	41.8	24.3	8.2	46.3	27.9	8.5
HIP FRACTURE	62	11.3	6.5	5.8	16.1	11.4	7.4	19.4	14.7	7.7
SEPSIS	55	29.1	25.4	8.0	43.6	33.0	11.1	49.1	38.0	12.0
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	4	25.0	2.2	*	25.0	4.9	*	25.0	7.5	*
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	27	11.1	5.7	*	14.8	10.5	*	18.5	13.7	*
OPEN REDUCTION OF HIP FRACTURE	32	12.5	6.3	*	18.8	11.5	*	21.9	15.3	*
PROSTATECTOMY	32	0.0	0.7	*	0.0	1.5	*	0.0	2.4	*
CHOLECYSTECTOMY	35	2.9	1.7	*	2.9	3.0	*	2.9	4.1	*
HYSTERECTOMY	12	0.0	0.2	*	0.0	0.5	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,540

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.54	27.88	0.40	1.17	0.02	4.91	4.34	0.16	1.13	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.91	0.07	1.05	0.08					
CONGESTIVE HEART FAILURE	1.94	1.67	0.10	1.16	0.07					
PNEUMONIA/INFLUENZA	1.73	1.24	0.08	1.39	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.57	0.06	1.09	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.39	0.05	0.98	0.12					
STROKE	1.00	0.91	0.07	1.11	0.09					
HIP FRACTURE	0.70	0.53	0.05	1.33	0.14					
SEPSIS	0.55	0.36	0.05	1.52	0.20					
PROCEDURES:										
ANGIOPLASTY	0.31	0.31	0.04	**	**					
CORONARY ARTERY BYPASS GRAFT	0.42	0.43	0.05	0.97	0.12					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.03	1.07	0.20					
CAROTID ENDARTERECTOMY	0.16	0.13	0.03	1.08	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.41	0.05	1.12	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.26	0.04	1.32	0.21					
PROSTATECTOMY	0.65	0.78	0.07	0.85	0.07					
CHOLECYSTECTOMY	0.62	0.47	0.05	1.32	0.15					
HYSTERECTOMY	0.15	0.18	0.03	0.80	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

BROWNSVILLE-HARLINGEN, TX (1240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,739	8.8	8.7	0.4	13.2	13.1	0.6	16.1	16.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	184	23.4	24.7	3.8	27.2	27.4	4.5	29.9	29.9	4.3
CONGESTIVE HEART FAILURE	321	15.3	14.4	2.0	20.9	23.0	2.5	26.2	28.9	3.2
PNEUMONIA/INFLUENZA	247	17.0	16.2	2.5	20.6	22.2	2.7	24.3	25.9	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	122	10.7	7.8	3.0	13.1	13.9	3.3	18.0	18.4	4.0
TRANSIENT CEREBRAL ISCHEMIA	70	1.4	1.5	1.5	5.7	3.5	2.9	7.1	5.7	4.2
STROKE	189	15.9	20.3	3.5	21.7	26.1	4.2	24.9	29.7	4.1
HIP FRACTURE	133	2.3	6.1	3.1	6.8	11.1	4.0	12.0	14.5	4.6
SEPSIS	90	24.4	25.7	4.6	31.1	32.8	6.0	32.2	37.3	5.9
PROCEDURES:										
ANGIOPLASTY	97	3.1	4.8	3.6	3.1	5.7	4.1	4.1	6.6	4.5
CORONARY ARTERY BYPASS GRAFT	135	7.4	5.2	2.1	8.1	7.1	2.2	9.6	7.9	2.5
INITIAL PACEMAKER INSERTION	49	2.0	3.4	*	4.1	6.6	*	6.1	9.5	*
CAROTID ENDARTERECTOMY	25	0.0	1.2	*	0.0	2.3	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	129	0.8	3.0	2.5	3.9	5.9	2.5	7.0	8.0	3.1
OPEN REDUCTION OF HIP FRACTURE	60	5.0	5.9	4.5	6.7	10.7	7.2	10.0	14.1	8.3
PROSTATECTOMY	257	0.4	0.7	0.6	0.8	1.5	1.3	2.3	2.6	1.4
CHOLECYSTECTOMY	161	0.0	1.8	2.0	1.9	3.2	2.5	2.5	4.3	2.5
HYSTERECTOMY	78	1.3	0.4	1.2	1.3	0.8	1.3	1.3	1.3	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 29,365

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.00	30.46	0.32	0.82	0.01	4.01	4.36	0.12	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.60	1.06	0.06	0.57	0.03					
CONGESTIVE HEART FAILURE	1.66	1.77	0.08	0.94	0.04					
PNEUMONIA/INFLUENZA	1.02	1.73	0.08	0.58	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.75	0.05	0.72	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.43	0.04	0.60	0.05					
STROKE	0.80	0.96	0.06	0.83	0.05					
HIP FRACTURE	0.49	0.58	0.04	0.85	0.07					
SEPSIS	0.49	0.34	0.03	1.40	0.14					
PROCEDURES:										
ANGIOPLASTY	0.32	0.34	0.03	0.92	0.09					
CORONARY ARTERY BYPASS GRAFT	0.41	0.45	0.04	0.91	0.08					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.03	0.86	0.11					
CAROTID ENDARTERECTOMY	0.08	0.18	0.03	0.45	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.46	0.04	0.88	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.27	0.03	0.87	0.10					
PROSTATECTOMY	0.86	0.87	0.05	0.98	0.06					
CHOLECYSTECTOMY	0.63	0.59	0.04	1.04	0.08					
HYSTERECTOMY	0.26	0.19	0.03	1.30	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

BRYAN-COLLEGE STATION, TX (1260)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,586	10.4	9.6	0.8	15.5	14.4	1.2	18.6	17.7	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	86	23.3	26.0	5.3	30.2	29.0	5.0	31.4	31.7	5.1
CONGESTIVE HEART FAILURE	126	18.3	13.8	5.1	23.8	22.0	4.2	29.4	27.8	5.0
PNEUMONIA/INFLUENZA	116	22.4	16.2	3.8	25.9	22.0	4.2	27.6	25.6	4.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	31	9.7	9.1	*	9.7	15.9	*	9.7	20.6	*
TRANSIENT CEREBRAL ISCHEMIA	28	3.6	1.7	*	3.6	4.0	*	7.1	6.7	*
STROKE	112	21.4	19.6	4.6	29.5	25.8	4.6	36.6	29.4	5.9
HIP FRACTURE	97	2.1	7.4	4.8	8.2	13.0	6.3	11.3	16.7	6.8
SEPSIS	56	21.4	26.5	9.9	32.1	35.0	9.4	32.1	40.3	8.4
PROCEDURES:										
ANGIOPLASTY	33	3.0	2.2	*	3.0	2.9	*	3.0	3.6	*
CORONARY ARTERY BYPASS GRAFT	64	4.7	5.4	3.1	7.8	7.8	3.7	7.8	9.1	3.8
INITIAL PACEMAKER INSERTION	30	0.0	2.3	*	0.0	4.6	*	0.0	6.8	*
CAROTID ENDARTERECTOMY	5	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	59	3.4	4.8	3.1	8.5	9.1	4.1	10.2	11.9	4.5
OPEN REDUCTION OF HIP FRACTURE	41	0.0	6.9	*	7.3	12.3	*	12.2	15.9	*
PROSTATECTOMY	62	1.6	0.6	1.1	3.2	1.4	1.8	6.5	2.6	2.6
CHOLECYSTECTOMY	53	3.8	2.2	3.1	5.7	4.1	3.9	5.7	5.3	4.3
HYSTERECTOMY	25	0.0	0.6	*	0.0	1.6	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 8,876

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.53	29.89	0.58	0.85	0.02	4.69	4.89	0.23	0.95	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.91	0.10	0.75	0.09					
CONGESTIVE HEART FAILURE	1.37	1.86	0.14	0.72	0.06					
PNEUMONIA/INFLUENZA	1.21	1.41	0.13	0.85	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.30	0.55	0.08	0.50	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.41	0.07	0.67	0.11					
STROKE	1.00	1.04	0.11	1.02	0.11					
HIP FRACTURE	0.69	0.62	0.08	1.11	0.15					
SEPSIS	0.63	0.43	0.07	1.43	0.24					
PROCEDURES:										
ANGIOPLASTY	0.19	0.26	0.06	0.63	0.14					
CORONARY ARTERY BYPASS GRAFT	0.41	0.36	0.06	1.10	0.20					
INITIAL PACEMAKER INSERTION	0.15	0.22	0.05	0.71	0.17					
CAROTID ENDARTERECTOMY	0.03	0.11	0.04	0.43	0.17					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.42	0.07	1.20	0.20					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.06	0.83	0.17					
PROSTATECTOMY	0.57	0.73	0.09	0.79	0.10					
CHOLECYSTECTOMY	0.47	0.44	0.07	1.08	0.18					
HYSTERECTOMY	0.25	0.18	0.04	1.48	0.41					

** QUANTITIES COULD NOT BE ESTIMATED

CORPUS CHRISTI, TX (1880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,176	8.5	8.3	0.3	13.1	12.8	0.4	16.4	16.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	286	21.7	22.6	2.5	23.8	25.2	2.7	24.1	27.8	3.2
CONGESTIVE HEART FAILURE	537	16.0	13.7	2.1	23.5	22.1	2.0	28.7	28.2	2.0
PNEUMONIA/INFLUENZA	480	15.8	13.6	3.5	21.0	18.7	3.5	24.4	22.0	3.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	184	4.9	7.2	2.8	12.0	12.8	3.4	13.0	17.1	4.2
TRANSIENT CEREBRAL ISCHEMIA	109	1.8	1.7	1.5	3.7	3.7	2.8	4.6	5.8	3.6
STROKE	310	18.1	18.2	2.2	23.2	24.0	3.0	28.4	27.6	3.5
HIP FRACTURE	217	6.0	6.1	2.2	8.8	10.7	3.6	10.1	14.1	4.3
SEPSIS	116	29.3	27.0	4.5	36.2	35.4	5.4	40.5	40.1	4.7
PROCEDURES:										
ANGIOPLASTY	162	4.3	2.8	1.8	6.2	3.6	2.6	6.8	4.4	3.1
CORONARY ARTERY BYPASS GRAFT	187	4.8	4.8	1.8	4.8	6.8	2.2	4.8	7.6	2.6
INITIAL PACEMAKER INSERTION	96	5.2	4.1	2.2	9.4	7.9	3.2	13.5	11.0	4.4
CAROTID ENDARTERECTOMY	62	0.0	1.5	2.4	1.6	2.7	3.1	4.8	4.1	3.3
HIP REPLACEMENT/RECONSTRUCTION	170	1.8	3.2	2.2	4.1	5.8	3.0	4.7	7.8	2.8
OPEN REDUCTION OF HIP FRACTURE	116	7.8	5.5	2.7	10.3	10.0	2.8	10.3	13.3	3.8
PROSTATECTOMY	392	1.3	1.0	0.7	2.8	2.4	1.1	4.1	4.0	1.1
CHOLECYSTECTOMY	230	2.6	2.5	1.3	3.0	4.6	1.7	6.1	5.9	1.6
HYSTERECTOMY	79	1.3	0.9	1.3	5.1	2.1	3.7	5.1	3.2	3.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 40,894

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.43	30.86	0.27	0.99	0.01	4.49	4.50	0.10	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.71	1.02	0.05	0.69	0.03					
CONGESTIVE HEART FAILURE	1.95	1.85	0.07	1.05	0.04					
PNEUMONIA/INFLUENZA	1.44	1.65	0.06	0.86	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.73	0.04	0.88	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.45	0.03	0.70	0.05					
STROKE	0.92	0.98	0.05	0.94	0.05					
HIP FRACTURE	0.55	0.59	0.04	0.91	0.06					
SEPSIS	0.39	0.36	0.03	1.04	0.09					
PROCEDURES:										
ANGIOPLASTY	0.42	0.31	0.03	1.31	0.12					
CORONARY ARTERY BYPASS GRAFT	0.46	0.42	0.03	1.06	0.08					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.02	1.22	0.14					
CAROTID ENDARTERECTOMY	0.14	0.15	0.02	0.84	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.43	0.03	0.90	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.03	1.00	0.10					
PROSTATECTOMY	0.89	0.77	0.04	1.15	0.07					
CHOLECYSTECTOMY	0.55	0.54	0.04	0.98	0.07					
HYSTERECTOMY	0.16	0.19	0.02	0.79	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

DALLAS, TX (1920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	46,206	9.5	8.8	0.1	14.4	13.4	0.3	17.7	16.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,383	24.3	23.6	1.9	29.2	26.7	1.7	31.8	29.3	1.7
CONGESTIVE HEART FAILURE	2,228	13.9	13.5	1.4	22.4	21.4	1.7	28.7	27.3	2.0
PNEUMONIA/INFLUENZA	2,299	16.8	14.8	1.2	22.9	20.3	1.2	26.4	23.9	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	570	9.1	7.6	1.8	16.8	13.2	2.5	20.5	17.4	2.6
TRANSIENT CEREBRAL ISCHEMIA	475	2.3	1.5	1.1	4.4	3.4	1.5	6.9	5.6	1.8
STROKE	1,514	20.2	19.9	1.1	27.1	26.1	1.4	31.5	29.8	1.7
HIP FRACTURE	1,352	9.0	6.5	1.2	14.1	11.5	1.3	18.2	14.8	1.6
SEPSIS	697	31.1	26.2	2.2	41.9	34.2	2.7	47.6	38.9	3.0
PROCEDURES:										
ANGIOPLASTY	593	2.7	2.7	0.8	4.6	3.7	1.0	5.6	4.6	1.2
CORONARY ARTERY BYPASS GRAFT	820	7.8	5.3	1.3	10.5	7.5	1.5	11.6	8.5	1.6
INITIAL PACEMAKER INSERTION	352	2.0	3.0	1.4	4.0	5.8	1.8	7.1	8.4	2.0
CAROTID ENDARTERECTOMY	335	1.2	1.5	1.0	1.8	2.8	1.4	4.2	4.1	1.5
HIP REPLACEMENT/RECONSTRUCTION	1,048	6.2	3.8	1.0	9.5	7.0	1.2	12.7	9.3	1.4
OPEN REDUCTION OF HIP FRACTURE	636	7.2	5.9	1.5	11.0	10.6	1.7	14.6	13.8	1.6
PROSTATECTOMY	1,422	1.1	0.9	0.4	2.5	2.1	0.5	3.7	3.6	0.8
CHOLECYSTECTOMY	1,022	3.1	2.7	0.6	5.4	5.1	0.9	6.3	6.8	1.0
HYSTERECTOMY	436	0.7	0.6	0.6	1.1	1.4	0.9	1.8	2.2	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 225,634

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.05	28.57	0.11	0.98	0.00	4.96	4.75	0.05	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.85	0.02	0.98	0.02					
CONGESTIVE HEART FAILURE	1.63	1.81	0.03	0.90	0.01					
PNEUMONIA/INFLUENZA	1.40	1.20	0.02	1.17	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.40	0.51	0.01	0.78	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.39	0.01	0.72	0.02					
STROKE	0.90	0.96	0.02	0.94	0.02					
HIP FRACTURE	0.75	0.60	0.02	1.24	0.03					
SEPSIS	0.49	0.41	0.01	1.20	0.04					
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.01	0.97	0.04					
CORONARY ARTERY BYPASS GRAFT	0.39	0.38	0.01	1.03	0.04					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.01	0.89	0.04					
CAROTID ENDARTERECTOMY	0.17	0.12	0.01	1.40	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.42	0.01	1.22	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.30	0.01	1.14	0.04					
PROSTATECTOMY	0.71	0.70	0.02	1.01	0.03					
CHOLECYSTECTOMY	0.52	0.42	0.01	1.24	0.04					
HYSTERECTOMY	0.20	0.17	0.01	1.15	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

EL PASO, TX (2320)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,232	8.7	8.6	0.3	13.1	13.2	0.4	16.3	16.7	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	244	26.2	24.5	4.2	29.9	27.5	3.8	32.0	30.1	3.4
CONGESTIVE HEART FAILURE	457	15.3	13.9	3.3	24.1	22.2	3.0	30.4	28.1	3.0
PNEUMONIA/INFLUENZA	451	15.5	15.9	1.9	20.2	21.7	3.0	23.5	25.5	3.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	119	5.0	8.7	3.0	9.2	14.6	4.1	11.8	19.0	4.6
TRANSIENT CEREBRAL ISCHEMIA	125	1.6	1.7	1.9	2.4	3.8	2.5	5.6	6.0	2.2
STROKE	291	23.4	21.7	2.8	29.2	27.8	3.5	32.3	31.5	3.0
HIP FRACTURE	236	6.4	6.0	1.6	10.6	10.7	2.1	14.0	14.0	2.4
SEPSIS	139	20.9	22.1	3.9	26.6	29.8	4.9	33.1	34.5	5.0
PROCEDURES:										
ANGIOPLASTY	119	5.9	3.1	3.3	5.9	4.0	3.5	8.4	4.9	3.4
CORONARY ARTERY BYPASS GRAFT	209	7.2	5.4	2.9	10.0	7.4	4.0	11.5	8.3	4.2
INITIAL PACEMAKER INSERTION	72	2.8	3.7	3.7	6.9	7.1	6.2	9.7	10.1	6.7
CAROTID ENDARTERECTOMY	29	0.0	1.3	*	0.0	2.5	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	137	2.2	3.3	1.7	4.4	6.2	2.4	5.8	8.5	3.1
OPEN REDUCTION OF HIP FRACTURE	124	5.6	5.8	2.4	10.5	10.3	2.8	13.7	13.5	3.1
PROSTATECTOMY	380	0.5	1.2	0.8	2.4	2.7	0.9	4.5	4.4	1.1
CHOLECYSTECTOMY	277	1.8	2.4	2.1	6.9	4.5	2.2	7.9	6.0	2.3
HYSTERECTOMY	91	0.0	0.5	0.9	1.1	1.2	1.2	2.2	1.9	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 55,186

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.89	30.34	0.23	0.85	0.01	4.00	4.29	0.09	0.93	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.53	1.02	0.04	0.52	0.02					
CONGESTIVE HEART FAILURE	1.37	1.81	0.06	0.76	0.02					
PNEUMONIA/INFLUENZA	1.16	1.56	0.05	0.74	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.74	0.04	0.45	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.44	0.03	0.69	0.04					
STROKE	0.67	0.95	0.04	0.71	0.03					
HIP FRACTURE	0.51	0.55	0.03	0.93	0.05					
SEPSIS	0.38	0.35	0.02	1.09	0.08					
PROCEDURES:										
ANGIOPLASTY	0.24	0.34	0.02	0.69	0.05					
CORONARY ARTERY BYPASS GRAFT	0.38	0.46	0.03	0.81	0.05					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.02	0.80	0.07					
CAROTID ENDARTERECTOMY	0.07	0.19	0.02	0.37	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.44	0.03	0.72	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.26	0.02	0.99	0.08					
PROSTATECTOMY	0.77	0.80	0.04	0.96	0.04					
CHOLECYSTECTOMY	0.55	0.58	0.03	0.95	0.05					
HYSTERECTOMY	0.18	0.19	0.02	0.96	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

FORT WORTH-ARLINGTON, TX (2800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	25,250	10.0	8.8	0.2	14.9	13.4	0.3	18.2	16.8	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	829	29.2	24.3	2.3	32.8	27.4	2.3	34.7	30.1	2.2
CONGESTIVE HEART FAILURE	1,155	14.5	13.4	1.5	21.9	21.2	1.4	28.1	27.0	1.6
PNEUMONIA/INFLUENZA	1,362	17.4	14.4	1.5	22.8	19.7	1.6	26.6	23.3	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	430	11.2	8.1	3.3	15.6	14.0	3.3	19.8	18.4	3.1
TRANSIENT CEREBRAL ISCHEMIA	278	2.2	1.8	1.6	2.2	3.9	2.1	5.4	6.2	2.6
STROKE	918	19.3	19.6	1.6	27.1	26.2	1.6	30.9	29.9	2.0
HIP FRACTURE	808	8.3	6.4	1.6	13.5	11.3	1.9	16.6	14.8	1.8
SEPSIS	336	24.4	24.2	2.8	34.2	32.0	3.6	39.6	36.7	3.6
PROCEDURES:										
ANGIOPLASTY	139	0.7	2.9	1.9	2.9	3.6	2.1	2.9	4.5	2.0
CORONARY ARTERY BYPASS GRAFT	345	6.4	5.2	1.6	7.5	7.3	1.5	8.4	8.2	1.8
INITIAL PACEMAKER INSERTION	204	3.4	2.5	1.5	5.4	4.9	1.6	7.8	7.3	2.0
CAROTID ENDARTERECTOMY	161	1.2	1.4	1.1	2.5	2.7	1.4	4.3	4.1	1.8
HIP REPLACEMENT/RECONSTRUCTION	579	6.2	4.1	1.5	10.2	7.5	2.0	12.6	9.9	2.0
OPEN REDUCTION OF HIP FRACTURE	375	6.1	6.0	1.4	10.4	10.9	1.7	13.9	14.4	2.1
PROSTATECTOMY	868	1.3	1.0	0.5	2.1	2.3	0.6	3.0	3.9	1.0
CHOLECYSTECTOMY	615	2.1	2.5	0.7	5.2	4.6	0.9	6.7	6.3	1.3
HYSTERECTOMY	216	0.5	0.5	0.6	0.5	1.1	0.8	0.9	1.8	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 129,666

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.33	28.92	0.15	0.95	0.00	4.95	4.60	0.06	1.07	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.90	0.03	1.00	0.03					
CONGESTIVE HEART FAILURE	1.45	1.80	0.04	0.80	0.02					
PNEUMONIA/INFLUENZA	1.44	1.30	0.03	1.10	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.57	0.02	0.94	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.41	0.02	0.65	0.03					
STROKE	0.93	0.94	0.03	0.99	0.03					
HIP FRACTURE	0.75	0.59	0.02	1.25	0.05					
SEPSIS	0.42	0.38	0.02	1.09	0.05					
PROCEDURES:										
ANGIOPLASTY	0.17	0.29	0.01	0.56	0.03					
CORONARY ARTERY BYPASS GRAFT	0.35	0.40	0.02	0.88	0.04					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	0.98	0.06					
CAROTID ENDARTERECTOMY	0.15	0.13	0.01	1.07	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.44	0.02	1.15	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.34	0.28	0.01	1.20	0.06					
PROSTATECTOMY	0.77	0.72	0.02	1.07	0.03					
CHOLECYSTECTOMY	0.56	0.46	0.02	1.23	0.05					
HYSTERECTOMY	0.18	0.18	0.01	0.96	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

GALVESTON-TEXAS CITY, TX (2920)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,221	9.6	9.8	0.5	14.6	14.6	0.5	18.2	18.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	125	28.0	23.1	7.5	32.8	26.0	7.8	32.8	28.6	7.1
CONGESTIVE HEART FAILURE	184	9.2	13.1	3.2	16.8	21.1	4.0	21.7	27.1	4.9
PNEUMONIA/INFLUENZA	159	13.2	15.4	3.5	18.9	21.0	4.7	20.1	24.7	5.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	71	14.1	10.6	4.8	16.9	17.7	4.6	25.4	22.9	5.4
TRANSIENT CEREBRAL ISCHEMIA	40	2.5	1.5	*	5.0	3.6	*	10.0	5.9	*
STROKE	193	18.1	19.5	3.5	21.8	25.8	4.7	30.1	29.6	4.2
HIP FRACTURE	88	6.8	6.4	2.6	9.1	11.1	4.0	12.5	14.3	5.2
SEPSIS	75	28.0	26.6	5.6	41.3	33.9	8.3	46.7	38.1	9.1
PROCEDURES:										
ANGIOPLASTY	7	0.0	1.2	*	0.0	1.8	*	14.3	2.6	*
CORONARY ARTERY BYPASS GRAFT	35	2.9	7.0	*	5.7	9.5	*	5.7	10.7	*
INITIAL PACEMAKER INSERTION	27	0.0	2.9	*	3.7	5.8	*	3.7	8.4	*
CAROTID ENDARTERECTOMY	7	0.0	2.2	*	0.0	3.9	*	0.0	5.5	*
HIP REPLACEMENT/RECONSTRUCTION	72	2.8	2.9	2.7	4.2	5.1	2.8	6.9	6.8	3.4
OPEN REDUCTION OF HIP FRACTURE	52	5.8	5.9	3.4	9.6	10.7	5.2	13.5	14.1	5.6
PROSTATECTOMY	152	0.7	0.9	0.8	0.7	2.1	1.7	0.7	3.5	2.8
CHOLECYSTECTOMY	87	2.3	2.2	1.6	3.4	4.1	2.2	4.6	5.6	2.8
HYSTERECTOMY	37	0.0	0.4	*	2.7	0.9	*	5.4	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,126

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.44	29.05	0.33	1.05	0.01	4.78	4.59	0.13	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.96	0.86	0.06	1.14	0.08					
CONGESTIVE HEART FAILURE	1.76	1.83	0.08	0.96	0.04					
PNEUMONIA/INFLUENZA	1.32	1.26	0.07	1.04	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.63	0.57	0.05	1.09	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.40	0.04	0.77	0.08					
STROKE	1.08	0.99	0.06	1.09	0.07					
HIP FRACTURE	0.65	0.52	0.04	1.23	0.11					
SEPSIS	0.55	0.42	0.04	1.34	0.13					
PROCEDURES:										
ANGIOPLASTY	0.23	0.30	0.03	0.73	0.09					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.04	1.06	0.11					
INITIAL PACEMAKER INSERTION	0.21	0.21	0.03	0.92	0.13					
CAROTID ENDARTERECTOMY	0.13	0.13	0.02	0.95	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.38	0.04	1.08	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.26	0.03	1.36	0.17					
PROSTATECTOMY	0.96	0.77	0.05	1.26	0.09					
CHOLECYSTECTOMY	0.57	0.44	0.04	1.27	0.12					
HYSTERECTOMY	0.20	0.17	0.03	1.23	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

HOUSTON, TX (3360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	60,866	8.8	8.2	0.1	13.9	12.8	0.3	17.4	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,417	26.9	23.5	1.7	31.0	26.6	1.8	32.8	29.2	1.6
CONGESTIVE HEART FAILURE	2,881	13.5	13.7	1.1	21.9	22.0	0.8	28.5	28.0	0.9
PNEUMONIA/INFLUENZA	2,663	15.5	14.3	1.0	22.5	19.7	1.3	26.0	23.3	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	996	7.9	7.7	0.9	12.9	13.6	1.2	16.2	18.0	1.5
TRANSIENT CEREBRAL ISCHEMIA	845	0.6	1.5	0.6	3.1	3.3	0.8	6.0	5.5	1.2
STROKE	2,013	18.9	18.4	1.7	25.7	24.5	2.0	29.3	28.2	2.2
HIP FRACTURE	1,350	6.2	6.1	0.9	11.4	10.8	1.0	14.4	14.1	1.1
SEPSIS	733	28.8	24.7	2.0	38.3	32.5	2.6	45.2	37.2	3.7
PROCEDURES:										
ANGIOPLASTY	870	1.7	2.0	0.5	2.8	2.7	0.6	3.8	3.4	0.7
CORONARY ARTERY BYPASS GRAFT	1,217	7.3	4.6	0.9	10.1	6.5	1.0	11.3	7.4	1.1
INITIAL PACEMAKER INSERTION	551	2.5	2.8	0.8	6.7	5.6	1.5	8.9	8.2	1.5
CAROTID ENDARTERECTOMY	367	0.8	1.3	0.7	3.3	2.5	0.9	4.9	3.7	1.2
HIP REPLACEMENT/RECONSTRUCTION	1,115	3.3	3.0	0.7	5.9	5.6	0.8	7.8	7.6	0.8
OPEN REDUCTION OF HIP FRACTURE	687	4.9	5.7	1.1	10.8	10.5	1.7	13.8	13.8	1.8
PROSTATECTOMY	2,028	0.9	0.9	0.4	2.6	2.0	0.4	4.2	3.4	0.6
CHOLECYSTECTOMY	1,155	2.9	2.5	0.6	5.1	4.6	0.9	6.8	6.1	1.0
HYSTERECTOMY	504	0.8	0.8	0.6	2.0	1.8	1.3	3.4	2.8	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 263,609

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.52	29.08	0.10	1.05	0.00	4.81	4.55	0.04	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.87	0.02	0.84	0.02					
CONGESTIVE HEART FAILURE	1.82	1.83	0.03	0.99	0.01					
PNEUMONIA/INFLUENZA	1.42	1.28	0.02	1.11	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.58	0.01	1.08	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.41	0.01	0.96	0.03					
STROKE	0.98	0.96	0.02	1.02	0.02					
HIP FRACTURE	0.64	0.54	0.01	1.18	0.03					
SEPSIS	0.46	0.40	0.01	1.16	0.04					
PROCEDURES:										
ANGIOPLASTY	0.34	0.27	0.01	1.20	0.05					
CORONARY ARTERY BYPASS GRAFT	0.43	0.38	0.01	1.11	0.04					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.01	1.25	0.06					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.90	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.40	0.01	1.09	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.26	0.01	1.26	0.05					
PROSTATECTOMY	0.83	0.72	0.02	1.15	0.03					
CHOLECYSTECTOMY	0.48	0.44	0.01	1.11	0.03					
HYSTERECTOMY	0.19	0.17	0.01	1.13	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

KILLEEN-TEMPLE, TX (3810)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,646	9.4	8.9	0.4	14.0	13.7	0.5	16.9	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	176	29.5	24.6	5.0	32.4	27.9	4.8	34.7	30.6	4.8
CONGESTIVE HEART FAILURE	218	14.2	13.6	2.8	24.3	21.8	3.6	28.9	27.7	3.6
PNEUMONIA/INFLUENZA	315	16.5	16.2	2.1	22.2	22.4	2.4	25.4	26.4	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	58	6.9	9.5	4.5	15.5	16.6	5.9	19.0	21.4	7.3
TRANSIENT CEREBRAL ISCHEMIA	61	0.0	1.6	2.1	0.0	3.6	3.9	3.3	6.0	4.3
STROKE	186	19.9	20.4	3.2	27.4	27.3	3.3	31.7	31.4	3.5
HIP FRACTURE	155	5.2	6.5	2.3	12.9	11.6	3.5	13.5	15.1	3.2
SEPSIS	38	28.9	25.4	*	47.4	33.2	*	50.0	38.1	*
PROCEDURES:										
ANGIOPLASTY	88	8.0	2.8	2.6	8.0	3.5	2.6	8.0	4.3	2.9
CORONARY ARTERY BYPASS GRAFT	101	14.9	5.8	4.2	15.8	8.1	3.9	18.8	9.2	4.4
INITIAL PACEMAKER INSERTION	37	0.0	2.5	*	0.0	5.2	*	0.0	7.9	*
CAROTID ENDARTERECTOMY	26	3.8	1.5	*	3.8	2.8	*	3.8	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	109	2.8	3.1	1.8	3.7	5.6	3.3	3.7	7.5	4.6
OPEN REDUCTION OF HIP FRACTURE	73	2.7	5.5	4.3	8.2	10.0	6.6	8.2	13.3	7.3
PROSTATECTOMY	313	1.9	0.8	1.1	2.9	1.9	1.1	4.2	3.4	1.2
CHOLECYSTECTOMY	163	4.3	2.7	1.5	6.1	5.2	1.8	6.7	7.2	2.1
HYSTERECTOMY	78	0.0	0.8	*	0.0	1.7	*	0.0	2.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 22,403

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.10	30.03	0.37	0.84	0.01	4.70	4.76	0.15	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.96	0.07	0.85	0.06					
CONGESTIVE HEART FAILURE	1.43	1.85	0.09	0.78	0.04					
PNEUMONIA/INFLUENZA	1.63	1.48	0.08	1.10	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.36	0.62	0.05	0.55	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.42	0.04	0.66	0.07					
STROKE	0.93	0.98	0.07	0.95	0.06					
HIP FRACTURE	0.64	0.63	0.05	1.03	0.09					
SEPSIS	0.25	0.39	0.04	0.64	0.07					
PROCEDURES:										
ANGIOPLASTY	0.34	0.30	0.04	1.23	0.16					
CORONARY ARTERY BYPASS GRAFT	0.36	0.41	0.04	0.85	0.09					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.03	0.82	0.13					
CAROTID ENDARTERECTOMY	0.09	0.14	0.03	0.61	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.46	0.04	0.88	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.30	0.04	0.83	0.11					
PROSTATECTOMY	0.77	0.77	0.06	**	**					
CHOLECYSTECTOMY	0.52	0.49	0.05	1.01	0.10					
HYSTERECTOMY	0.16	0.18	0.03	0.80	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

LAREDO, TX (4080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,486	9.3	9.6	0.8	14.3	14.7	0.8	17.5	18.3	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	92	19.6	22.5	6.2	22.8	25.5	7.0	26.1	28.1	6.6
CONGESTIVE HEART FAILURE	187	14.4	13.7	2.6	20.3	22.0	3.4	27.8	27.9	3.4
PNEUMONIA/INFLUENZA	165	12.1	14.5	4.0	18.8	20.3	3.8	21.8	23.9	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	33	12.1	9.7	*	18.2	16.5	*	18.2	21.0	*
TRANSIENT CEREBRAL ISCHEMIA	24	0.0	2.0	*	25.0	4.7	*	25.0	7.7	*
STROKE	99	18.2	19.7	4.6	24.2	26.0	4.7	28.3	29.6	4.8
HIP FRACTURE	58	3.4	6.7	4.8	10.3	12.1	5.0	15.5	16.1	5.0
SEPSIS	46	19.6	21.6	*	26.1	27.0	*	30.4	31.2	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	15	0.0	4.8	*	6.7	9.0	*	13.3	12.7	*
CAROTID ENDARTERECTOMY	3	0.0	2.9	*	0.0	5.0	*	0.0	6.6	*
HIP REPLACEMENT/RECONSTRUCTION	20	0.0	3.5	*	0.0	6.7	*	0.0	9.2	*
OPEN REDUCTION OF HIP FRACTURE	33	0.0	6.0	*	3.0	11.2	*	12.1	15.0	*
PROSTATECTOMY	72	2.8	0.9	2.2	4.2	2.1	2.5	5.6	3.6	2.7
CHOLECYSTECTOMY	73	1.4	2.7	2.2	4.1	4.7	2.8	4.1	6.0	3.3
HYSTERECTOMY	25	0.0	0.1	*	0.0	0.3	*	0.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 12,523

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.50	32.63	0.51	0.93	0.01	4.22	4.52	0.19	0.93	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	1.11	0.09	0.92	0.08					
CONGESTIVE HEART FAILURE	2.72	1.93	0.12	1.40	0.09					
PNEUMONIA/INFLUENZA	2.14	1.97	0.13	1.09	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.30	0.83	0.08	0.36	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.49	0.06	0.51	0.07					
STROKE	1.01	1.02	0.09	0.98	0.09					
HIP FRACTURE	0.53	0.64	0.07	0.82	0.09					
SEPSIS	0.62	0.35	0.05	1.75	0.27					
PROCEDURES:										
ANGIOPLASTY	0.14	0.32	0.05	0.48	0.08					
CORONARY ARTERY BYPASS GRAFT	0.28	0.43	0.06	0.66	0.09					
INITIAL PACEMAKER INSERTION	0.14	0.21	0.04	0.75	0.15					
CAROTID ENDARTERECTOMY	0.06	0.17	0.04	0.56	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.19	0.47	0.06	0.37	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.28	0.05	1.21	0.21					
PROSTATECTOMY	0.57	0.80	0.08	0.70	0.07					
CHOLECYSTECTOMY	0.70	0.62	0.07	1.13	0.13					
HYSTERECTOMY	0.26	0.20	0.04	1.23	0.26					

** QUANTITIES COULD NOT BE ESTIMATED

LONGVIEW-MARSHALL, TX (4420)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,310	10.3	9.1	0.6	15.2	13.9	0.6	18.3	17.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	169	19.5	23.5	4.0	21.3	26.5	4.3	22.5	29.1	4.8
CONGESTIVE HEART FAILURE	278	16.2	13.7	3.3	24.5	22.0	3.0	31.7	28.1	3.6
PNEUMONIA/INFLUENZA	295	18.3	14.7	4.0	23.4	20.1	4.3	27.8	23.7	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	73	6.8	7.3	3.8	11.0	13.1	4.7	15.1	17.3	5.4
TRANSIENT CEREBRAL ISCHEMIA	81	1.2	1.9	1.7	2.5	4.1	2.6	9.9	6.6	4.0
STROKE	221	19.0	18.0	2.8	26.7	24.4	3.9	30.8	28.3	3.9
HIP FRACTURE	180	7.2	6.1	3.9	12.8	10.8	3.9	15.6	14.0	3.7
SEPSIS	78	25.6	28.2	6.3	33.3	36.6	6.1	38.5	41.5	6.2
PROCEDURES:										
ANGIOPLASTY	24	0.0	3.4	*	4.2	4.3	*	4.2	5.1	*
CORONARY ARTERY BYPASS GRAFT	78	7.7	6.3	3.5	9.0	8.9	3.7	10.3	10.0	3.8
INITIAL PACEMAKER INSERTION	43	2.3	4.0	*	2.3	7.5	*	7.0	10.6	*
CAROTID ENDARTERECTOMY	22	0.0	1.6	*	0.0	2.8	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	111	6.3	4.1	2.5	9.0	7.2	2.7	10.8	9.5	3.2
OPEN REDUCTION OF HIP FRACTURE	101	5.9	5.3	5.6	13.9	9.7	6.1	16.8	13.0	6.3
PROSTATECTOMY	139	0.7	0.9	1.0	2.2	2.1	1.7	3.6	3.5	2.9
CHOLECYSTECTOMY	109	0.9	3.0	2.0	1.8	5.1	2.8	2.8	6.6	3.2
HYSTERECTOMY	45	0.0	0.6	*	0.0	1.3	*	0.0	2.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,913

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.46	31.71	0.35	0.96	0.01	5.11	5.05	0.14	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.94	0.06	0.86	0.06					
CONGESTIVE HEART FAILURE	1.91	2.02	0.09	0.94	0.04					
PNEUMONIA/INFLUENZA	1.51	1.52	0.08	1.00	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.61	0.05	0.93	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.45	0.04	0.95	0.09					
STROKE	0.97	1.11	0.07	0.86	0.05					
HIP FRACTURE	0.64	0.62	0.05	1.04	0.08					
SEPSIS	0.50	0.46	0.04	1.06	0.10					
PROCEDURES:										
ANGIOPLASTY	0.23	0.27	0.03	0.77	0.10					
CORONARY ARTERY BYPASS GRAFT	0.45	0.37	0.04	1.23	0.13					
INITIAL PACEMAKER INSERTION	0.20	0.22	0.03	0.91	0.13					
CAROTID ENDARTERECTOMY	0.19	0.12	0.02	1.41	0.28					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.42	0.04	0.93	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.03	1.18	0.14					
PROSTATECTOMY	0.74	0.75	0.05	0.97	0.07					
CHOLECYSTECTOMY	0.46	0.46	0.04	0.98	0.09					
HYSTERECTOMY	0.21	0.17	0.03	1.24	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

LUBBOCK, TX (4600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,106	7.8	7.8	0.4	12.5	12.0	0.6	15.7	15.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	337	23.7	24.8	2.6	26.4	27.6	3.1	27.9	30.2	3.5
CONGESTIVE HEART FAILURE	418	14.6	13.9	2.2	25.8	22.3	3.0	32.8	28.4	3.6
PNEUMONIA/INFLUENZA	354	14.4	13.9	1.9	20.6	19.2	3.0	23.7	22.7	3.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	141	5.0	7.9	3.3	13.5	14.1	3.4	22.0	18.7	4.2
TRANSIENT CEREBRAL ISCHEMIA	159	1.3	2.1	1.4	4.4	4.4	1.7	6.9	6.8	2.1
STROKE	304	20.1	18.8	2.8	27.6	24.7	4.2	33.6	28.4	4.9
HIP FRACTURE	282	5.7	6.4	1.6	11.0	11.0	2.0	14.2	14.1	2.1
SEPSIS	78	37.2	26.6	9.7	47.4	35.4	11.3	51.3	40.6	10.9
PROCEDURES:										
ANGIOPLASTY	347	5.5	3.5	1.9	6.6	4.5	2.0	8.1	5.4	2.3
CORONARY ARTERY BYPASS GRAFT	200	9.5	5.9	2.8	13.5	8.2	3.5	14.5	9.1	3.7
INITIAL PACEMAKER INSERTION	90	6.7	3.1	2.6	14.4	6.0	4.8	16.7	8.8	4.8
CAROTID ENDARTERECTOMY	60	3.3	2.1	2.5	5.0	3.8	2.8	5.0	5.4	3.0
HIP REPLACEMENT/RECONSTRUCTION	295	3.4	3.6	1.2	6.4	6.3	1.6	8.5	8.3	2.0
OPEN REDUCTION OF HIP FRACTURE	119	4.2	5.5	2.8	12.6	9.8	3.3	15.1	12.8	4.8
PROSTATECTOMY	309	0.3	0.9	0.8	2.6	2.1	1.2	4.2	3.5	1.8
CHOLECYSTECTOMY	275	3.6	3.2	2.0	6.5	5.7	2.7	9.1	7.5	2.9
HYSTERECTOMY	107	1.9	0.5	1.5	3.7	1.1	2.7	4.7	1.8	2.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,089

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.09	29.10	0.34	1.21	0.01	4.76	4.53	0.13	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.93	0.06	0.89	0.06					
CONGESTIVE HEART FAILURE	2.09	1.76	0.08	1.20	0.06					
PNEUMONIA/INFLUENZA	1.54	1.42	0.07	1.08	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.69	0.61	0.05	1.13	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.41	0.04	1.22	0.13					
STROKE	1.16	0.94	0.06	1.22	0.08					
HIP FRACTURE	0.68	0.59	0.05	1.17	0.10					
SEPSIS	0.37	0.36	0.04	0.99	0.11					
PROCEDURES:										
ANGIOPLASTY	0.67	0.29	0.04	2.19	0.27					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.04	1.02	0.11					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.03	1.26	0.20					
CAROTID ENDARTERECTOMY	0.16	0.13	0.02	1.12	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.67	0.44	0.04	1.52	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.28	0.03	1.08	0.14					
PROSTATECTOMY	0.81	0.74	0.05	1.10	0.08					
CHOLECYSTECTOMY	0.79	0.48	0.04	1.66	0.16					
HYSTERECTOMY	0.31	0.18	0.03	1.65	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

MCALLEN-EDINBURG-MISSION, TX (4880)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	7,276	10.8	9.5	0.5	15.2	14.0	0.6	17.8	17.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	210	31.0	26.6	6.0	34.3	29.4	5.9	35.2	31.9	5.3
CONGESTIVE HEART FAILURE	314	17.2	13.9	3.7	24.8	22.0	3.4	28.3	27.9	3.8
PNEUMONIA/INFLUENZA	462	18.6	15.1	3.5	23.8	20.6	3.8	26.6	24.2	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	141	7.1	10.6	4.4	14.9	17.8	6.2	20.6	22.8	7.5
TRANSIENT CEREBRAL ISCHEMIA	80	2.5	1.6	1.6	2.5	3.5	2.2	3.8	5.7	3.4
STROKE	284	22.5	20.5	2.7	26.8	26.5	2.6	28.9	29.9	2.8
HIP FRACTURE	177	9.6	6.4	2.8	17.5	11.1	4.6	18.6	14.4	4.7
SEPSIS	140	32.9	27.1	5.1	41.4	35.6	5.0	45.0	40.4	4.7
PROCEDURES:										
ANGIOPLASTY	191	8.4	3.8	2.3	10.5	4.8	2.7	12.0	5.8	3.0
CORONARY ARTERY BYPASS GRAFT	178	5.1	6.3	2.6	8.4	8.7	2.8	9.0	9.7	2.8
INITIAL PACEMAKER INSERTION	61	6.6	3.3	3.3	9.8	6.2	4.1	9.8	8.9	3.9
CAROTID ENDARTERECTOMY	23	13.0	1.5	*	13.0	2.8	*	17.4	4.0	*
HIP REPLACEMENT/RECONSTRUCTION	91	5.5	3.3	3.3	7.7	6.2	3.9	9.9	8.3	5.3
OPEN REDUCTION OF HIP FRACTURE	85	9.4	6.2	4.6	21.2	11.0	7.7	21.2	14.3	7.7
PROSTATECTOMY	402	0.2	0.9	0.7	1.0	2.1	1.2	2.0	3.5	1.6
CHOLECYSTECTOMY	262	3.1	2.4	1.5	3.4	4.1	1.7	3.8	5.3	2.1
HYSTERECTOMY	63	1.6	0.4	1.3	1.6	0.9	1.3	1.6	1.4	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 40,294

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.74	30.54	0.27	0.81	0.01	3.96	4.26	0.10	0.93	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	1.07	0.05	0.59	0.03					
CONGESTIVE HEART FAILURE	1.28	1.75	0.07	0.73	0.03					
PNEUMONIA/INFLUENZA	1.44	1.79	0.07	0.81	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.78	0.04	0.60	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.43	0.03	0.62	0.05					
STROKE	0.86	0.97	0.05	0.88	0.04					
HIP FRACTURE	0.46	0.56	0.04	0.84	0.06					
SEPSIS	0.55	0.34	0.03	1.65	0.15					
PROCEDURES:										
ANGIOPLASTY	0.61	0.35	0.03	1.74	0.15					
CORONARY ARTERY BYPASS GRAFT	0.56	0.46	0.03	1.23	0.09					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.02	0.71	0.08					
CAROTID ENDARTERECTOMY	0.08	0.18	0.02	0.51	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.28	0.45	0.03	0.63	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.26	0.02	0.83	0.08					
PROSTATECTOMY	1.10	0.90	0.05	1.21	0.06					
CHOLECYSTECTOMY	0.68	0.61	0.04	1.14	0.07					
HYSTERECTOMY	0.21	0.20	0.02	1.05	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

MIDLAND, TX (5040)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,256	9.5	8.8	0.8	14.6	13.6	1.2	17.6	17.1	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	76	26.3	23.9	5.5	28.9	26.9	6.2	32.9	29.4	7.3
CONGESTIVE HEART FAILURE	77	11.7	12.3	5.5	23.4	19.9	6.4	27.3	25.6	6.9
PNEUMONIA/INFLUENZA	108	19.4	15.4	4.7	27.8	21.8	7.0	33.3	25.9	8.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	42	9.5	8.2	*	19.0	14.5	*	23.8	19.3	*
TRANSIENT CEREBRAL ISCHEMIA	35	2.9	2.3	*	5.7	5.1	*	5.7	8.2	*
STROKE	53	22.6	19.3	6.1	26.4	26.2	7.3	28.3	30.1	6.8
HIP FRACTURE	81	3.7	6.5	3.6	8.6	11.5	5.7	8.6	14.8	6.8
SEPSIS	20	35.0	37.1	*	50.0	46.2	*	60.0	51.3	*
PROCEDURES:										
ANGIOPLASTY	19	0.0	1.7	*	0.0	2.5	*	0.0	3.2	*
CORONARY ARTERY BYPASS GRAFT	42	4.8	5.9	*	7.1	7.8	*	9.5	8.6	*
INITIAL PACEMAKER INSERTION	21	0.0	3.4	*	4.8	6.2	*	4.8	8.3	*
CAROTID ENDARTERECTOMY	21	0.0	2.5	*	0.0	4.6	*	0.0	6.4	*
HIP REPLACEMENT/RECONSTRUCTION	57	1.8	3.2	3.0	5.3	5.9	4.2	5.3	7.9	4.4
OPEN REDUCTION OF HIP FRACTURE	41	2.4	6.8	*	7.3	12.3	*	7.3	15.9	*
PROSTATECTOMY	96	1.0	1.3	1.3	2.1	2.9	1.9	4.2	4.7	2.3
CHOLECYSTECTOMY	56	3.6	3.3	2.6	5.4	5.8	3.2	7.1	7.4	3.5
HYSTERECTOMY	17	0.0	0.3	*	0.0	0.7	*	0.0	1.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 10,464

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.74	28.25	0.52	0.98	0.02	4.20	4.60	0.21	0.91	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.89	0.09	0.95	0.10					
CONGESTIVE HEART FAILURE	1.24	1.75	0.13	0.71	0.05					
PNEUMONIA/INFLUENZA	1.34	1.27	0.11	1.04	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.56	0.07	1.27	0.17					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.40	0.06	1.04	0.16					
STROKE	0.69	0.93	0.09	0.71	0.07					
HIP FRACTURE	0.78	0.58	0.07	1.33	0.17					
SEPSIS	0.30	0.39	0.06	0.72	0.12					
PROCEDURES:										
ANGIOPLASTY	0.20	0.30	0.05	0.66	0.12					
CORONARY ARTERY BYPASS GRAFT	0.58	0.41	0.06	1.45	0.23					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.04	0.94	0.21					
CAROTID ENDARTERECTOMY	0.28	0.13	0.04	1.64	0.48					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.42	0.06	1.04	0.16					
OPEN REDUCTION OF HIP FRACTURE	0.39	0.29	0.05	1.27	0.24					
PROSTATECTOMY	0.73	0.77	0.09	0.92	0.10					
CHOLECYSTECTOMY	0.56	0.44	0.06	1.29	0.19					
HYSTERECTOMY	0.17	0.18	0.04	1.01	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

ODESSA, TX (5800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,685	9.1	9.7	0.8	13.7	14.8	1.0	17.6	18.4	1.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	102	17.6	22.2	4.8	18.6	25.1	5.0	23.5	27.9	5.3
CONGESTIVE HEART FAILURE	115	13.0	14.4	4.1	24.3	23.0	4.3	32.2	29.0	5.1
PNEUMONIA/INFLUENZA	134	19.4	15.9	5.1	24.6	22.1	5.6	27.6	26.0	4.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	84	3.6	9.3	5.6	9.5	16.1	7.0	15.5	20.8	7.6
TRANSIENT CEREBRAL ISCHEMIA	20	0.0	2.1	*	0.0	4.3	*	5.0	6.5	*
STROKE	73	16.4	21.4	6.3	26.0	27.7	6.3	34.2	31.4	6.4
HIP FRACTURE	89	5.6	6.4	2.9	9.0	11.3	4.0	12.4	14.7	4.9
SEPSIS	23	39.1	27.6	*	43.5	36.5	*	52.2	41.4	*
PROCEDURES:										
ANGIOPLASTY	1	0.0	4.2	*	0.0	6.1	*	0.0	7.1	*
CORONARY ARTERY BYPASS GRAFT	30	13.3	4.6	*	13.3	6.4	*	13.3	7.3	*
INITIAL PACEMAKER INSERTION	53	5.7	3.8	3.9	11.3	7.1	5.7	13.2	10.1	7.8
CAROTID ENDARTERECTOMY	51	0.0	1.2	1.9	2.0	2.3	2.2	2.0	3.4	3.1
HIP REPLACEMENT/RECONSTRUCTION	41	2.4	4.2	*	4.9	7.7	*	9.8	10.3	*
OPEN REDUCTION OF HIP FRACTURE	51	3.9	5.2	3.4	5.9	9.5	5.6	7.8	12.6	7.8
PROSTATECTOMY	123	1.6	1.1	1.0	4.1	2.5	2.1	5.7	4.3	2.5
CHOLECYSTECTOMY	72	0.0	3.1	2.9	4.2	6.3	3.1	6.9	8.6	3.5
HYSTERECTOMY	15	0.0	0.9	*	0.0	2.1	*	0.0	3.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 12,567

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.87	28.79	0.48	1.00	0.02	4.76	4.35	0.19	1.10	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	0.95	0.09	1.10	0.10					
CONGESTIVE HEART FAILURE	1.71	1.73	0.12	0.99	0.07					
PNEUMONIA/INFLUENZA	1.53	1.36	0.10	1.13	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.12	0.65	0.07	1.73	0.19					
TRANSIENT CEREBRAL ISCHEMIA	0.17	0.42	0.06	0.40	0.06					
STROKE	0.75	0.91	0.08	0.84	0.08					
HIP FRACTURE	0.66	0.54	0.07	1.21	0.15					
SEPSIS	0.26	0.36	0.05	0.74	0.11					
PROCEDURES:										
ANGIOPLASTY	0.22	0.33	0.05	0.64	0.10					
CORONARY ARTERY BYPASS GRAFT	0.44	0.45	0.06	0.96	0.13					
INITIAL PACEMAKER INSERTION	0.42	0.20	0.04	2.04	0.42					
CAROTID ENDARTERECTOMY	0.41	0.17	0.04	2.34	0.54					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.43	0.06	0.98	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.26	0.05	1.21	0.22					
PROSTATECTOMY	0.69	0.79	0.08	0.87	0.09					
CHOLECYSTECTOMY	0.68	0.51	0.06	1.31	0.17					
HYSTERECTOMY	0.16	0.18	0.04	0.82	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

SAN ANGELO, TX (7200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,189	8.4	8.3	0.5	13.5	12.8	0.8	16.6	16.1	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	136	22.1	25.3	6.5	25.7	28.4	7.2	28.7	31.1	7.3
CONGESTIVE HEART FAILURE	164	12.2	14.2	4.4	21.3	22.3	4.0	27.4	28.0	4.3
PNEUMONIA/INFLUENZA	253	17.0	16.1	3.0	23.7	22.6	2.8	28.5	26.6	3.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	71	15.5	7.3	6.1	21.1	13.3	7.0	23.9	17.5	6.6
TRANSIENT CEREBRAL ISCHEMIA	40	2.5	1.5	*	5.0	3.4	*	5.0	5.6	*
STROKE	112	22.3	20.1	4.5	27.7	26.5	4.2	30.4	30.3	4.5
HIP FRACTURE	156	9.6	5.8	3.1	15.4	10.4	4.4	19.2	13.6	4.9
SEPSIS	44	9.1	21.0	*	22.7	28.6	*	22.7	33.1	*
PROCEDURES:										
ANGIOPLASTY	21	4.8	2.3	*	4.8	3.3	*	9.5	4.2	*
CORONARY ARTERY BYPASS GRAFT	55	1.8	5.4	4.9	3.6	7.6	5.6	5.5	8.7	5.5
INITIAL PACEMAKER INSERTION	42	0.0	2.7	*	2.4	5.2	*	7.1	7.5	*
CAROTID ENDARTERECTOMY	38	0.0	1.9	*	0.0	3.6	*	0.0	5.3	*
HIP REPLACEMENT/RECONSTRUCTION	101	6.9	2.9	2.4	11.9	5.3	3.3	15.8	7.0	4.0
OPEN REDUCTION OF HIP FRACTURE	96	8.3	5.5	3.4	13.5	10.2	6.6	17.7	13.6	8.3
PROSTATECTOMY	186	0.0	0.9	0.9	0.5	2.0	1.4	2.7	3.4	1.7
CHOLECYSTECTOMY	144	2.8	3.0	1.4	5.6	5.5	1.9	6.9	7.3	2.5
HYSTERECTOMY	48	2.1	0.9	*	2.1	1.9	*	2.1	3.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,062

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.43	30.06	0.46	1.05	0.02	5.00	4.73	0.18	1.05	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.99	0.08	1.00	0.08					
CONGESTIVE HEART FAILURE	1.71	1.81	0.11	0.94	0.06					
PNEUMONIA/INFLUENZA	1.85	1.57	0.11	1.16	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.68	0.63	0.07	1.08	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.43	0.05	0.56	0.07					
STROKE	0.82	0.98	0.08	0.83	0.07					
HIP FRACTURE	0.71	0.66	0.07	1.08	0.11					
SEPSIS	0.43	0.37	0.05	1.18	0.17					
PROCEDURES:										
ANGIOPLASTY	0.19	0.30	0.05	0.61	0.10					
CORONARY ARTERY BYPASS GRAFT	0.43	0.40	0.05	1.13	0.15					
INITIAL PACEMAKER INSERTION	0.29	0.21	0.04	1.39	0.27					
CAROTID ENDARTERECTOMY	0.18	0.14	0.03	1.21	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.48	0.06	0.90	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.31	0.05	1.45	0.23					
PROSTATECTOMY	0.95	0.77	0.07	1.24	0.12					
CHOLECYSTECTOMY	0.79	0.51	0.06	1.53	0.18					
HYSTERECTOMY	0.25	0.19	0.04	1.25	0.25					

** QUANTITIES COULD NOT BE ESTIMATED

SAN ANTONIO, TX (7240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	30,187	8.3	7.9	0.2	13.0	12.4	0.3	16.4	15.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	707	23.8	22.1	2.0	27.6	25.2	2.0	29.6	27.8	1.9
CONGESTIVE HEART FAILURE	1,532	14.4	13.1	1.0	21.4	21.2	1.2	27.3	27.3	1.5
PNEUMONIA/INFLUENZA	1,363	14.8	14.1	1.1	20.8	19.5	1.7	24.7	23.2	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	438	8.2	7.6	1.4	14.4	13.5	1.7	18.9	18.0	1.9
TRANSIENT CEREBRAL ISCHEMIA	383	1.6	1.5	0.7	2.9	3.4	1.0	6.5	5.6	1.5
STROKE	1,018	15.8	17.6	1.8	21.6	23.6	2.0	25.6	27.4	2.3
HIP FRACTURE	814	4.8	5.3	1.0	10.4	9.6	1.1	14.6	12.8	1.5
SEPSIS	503	25.8	22.6	2.4	33.6	30.9	2.5	39.6	35.9	2.8
PROCEDURES:										
ANGIOPLASTY	268	3.4	2.8	1.1	3.7	3.7	1.2	4.5	4.6	1.3
CORONARY ARTERY BYPASS GRAFT	469	7.9	5.2	1.5	9.2	7.4	1.4	10.2	8.4	1.5
INITIAL PACEMAKER INSERTION	255	3.1	3.0	1.1	5.1	5.8	1.6	9.0	8.5	1.8
CAROTID ENDARTERECTOMY	166	1.2	1.4	0.9	3.6	2.7	1.5	3.6	3.9	1.6
HIP REPLACEMENT/RECONSTRUCTION	596	2.2	2.9	0.8	5.0	5.6	1.0	8.2	7.7	1.2
OPEN REDUCTION OF HIP FRACTURE	444	5.6	5.0	2.3	11.7	9.3	3.1	14.9	12.5	3.4
PROSTATECTOMY	1,143	1.0	0.8	0.4	2.4	1.9	0.6	3.7	3.3	0.7
CHOLECYSTECTOMY	797	3.9	2.4	0.9	7.3	4.6	1.6	9.0	6.3	1.6
HYSTERECTOMY	288	0.0	0.6	0.6	1.4	1.4	1.0	2.1	2.2	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 149,883

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.17	29.72	0.14	0.88	0.00	4.40	4.63	0.06	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.55	0.95	0.02	0.57	0.01					
CONGESTIVE HEART FAILURE	1.67	1.82	0.03	0.92	0.02					
PNEUMONIA/INFLUENZA	1.25	1.46	0.03	0.85	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.64	0.02	0.69	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.41	0.02	0.77	0.03					
STROKE	0.85	0.97	0.02	0.88	0.02					
HIP FRACTURE	0.59	0.60	0.02	0.98	0.03					
SEPSIS	0.55	0.38	0.02	1.48	0.06					
PROCEDURES:										
ANGIOPLASTY	0.18	0.30	0.01	0.58	0.03					
CORONARY ARTERY BYPASS GRAFT	0.34	0.40	0.02	0.84	0.03					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.01	0.91	0.05					
CAROTID ENDARTERECTOMY	0.12	0.15	0.01	0.80	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.43	0.02	0.89	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.29	0.01	1.10	0.05					
PROSTATECTOMY	0.77	0.74	0.02	1.04	0.03					
CHOLECYSTECTOMY	0.58	0.50	0.02	1.16	0.04					
HYSTERECTOMY	0.17	0.18	0.01	0.93	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SHERMAN-DENISON, TX (7640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,734	8.5	8.4	0.4	13.1	13.0	0.5	16.3	16.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	159	26.4	24.5	6.2	30.2	27.5	6.2	31.4	30.1	5.6
CONGESTIVE HEART FAILURE	294	15.0	13.0	3.0	25.2	20.7	3.5	29.3	26.5	3.1
PNEUMONIA/INFLUENZA	276	11.6	15.0	3.8	17.0	20.8	4.5	19.6	24.4	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	80	3.7	6.6	3.1	10.0	11.4	4.5	10.0	15.1	4.9
TRANSIENT CEREBRAL ISCHEMIA	67	1.5	2.0	1.9	3.0	4.2	2.7	7.5	6.6	3.2
STROKE	165	17.0	17.3	4.3	24.2	23.3	4.0	26.7	27.0	5.1
HIP FRACTURE	152	6.6	5.7	3.5	8.6	9.9	2.8	13.2	12.9	3.0
SEPSIS	38	34.2	23.2	*	36.8	32.2	*	47.4	37.8	*
PROCEDURES:										
ANGIOPLASTY	41	0.0	1.7	*	0.0	2.2	*	0.0	2.8	*
CORONARY ARTERY BYPASS GRAFT	25	8.0	5.4	*	12.0	7.2	*	12.0	8.2	*
INITIAL PACEMAKER INSERTION	61	0.0	3.5	3.9	3.3	6.3	5.7	6.6	8.6	7.0
CAROTID ENDARTERECTOMY	44	2.3	1.7	*	2.3	3.4	*	4.5	5.2	*
HIP REPLACEMENT/RECONSTRUCTION	100	8.0	3.4	4.3	10.0	6.2	5.8	13.0	8.3	6.5
OPEN REDUCTION OF HIP FRACTURE	86	4.7	5.4	2.7	5.8	9.7	5.5	9.3	12.7	7.1
PROSTATECTOMY	181	1.1	1.1	0.9	2.2	2.5	1.9	3.3	4.3	3.6
CHOLECYSTECTOMY	101	3.0	2.0	2.8	5.0	3.6	3.9	6.9	4.9	4.1
HYSTERECTOMY	32	0.0	0.3	*	0.0	0.8	*	3.1	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,629

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.11	30.30	0.41	1.06	0.01	5.00	4.83	0.17	1.03	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.23	0.99	0.08	1.23	0.09					
CONGESTIVE HEART FAILURE	2.37	1.87	0.10	1.26	0.07					
PNEUMONIA/INFLUENZA	1.93	1.53	0.09	1.26	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.61	0.06	0.94	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.43	0.05	0.93	0.11					
STROKE	1.16	1.00	0.08	1.17	0.09					
HIP FRACTURE	0.75	0.67	0.06	1.10	0.10					
SEPSIS	0.26	0.38	0.05	0.65	0.08					
PROCEDURES:										
ANGIOPLASTY	0.48	0.29	0.04	1.66	0.25					
CORONARY ARTERY BYPASS GRAFT	0.43	0.40	0.05	0.99	0.12					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.03	1.11	0.20					
CAROTID ENDARTERECTOMY	0.16	0.14	0.03	1.28	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.57	0.48	0.05	1.18	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.43	0.31	0.04	1.32	0.19					
PROSTATECTOMY	0.82	0.77	0.07	1.06	0.09					
CHOLECYSTECTOMY	0.56	0.50	0.05	1.08	0.12					
HYSTERECTOMY	0.15	0.19	0.03	0.86	0.16					

** QUANTITIES COULD NOT BE ESTIMATED

TEXARKANA, TX-TEXARKANA, AR (8360)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,582	8.3	8.6	0.5	12.9	13.4	0.5	16.4	16.8	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	144	35.4	26.5	6.0	38.9	29.2	6.2	41.0	31.8	6.0
CONGESTIVE HEART FAILURE	274	10.2	14.0	2.9	19.7	22.4	2.9	27.0	28.7	3.0
PNEUMONIA/INFLUENZA	347	12.1	14.6	2.9	17.0	20.0	2.9	21.0	23.6	3.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	105	7.6	8.5	3.4	10.5	14.8	5.0	16.2	19.5	4.9
TRANSIENT CEREBRAL ISCHEMIA	108	0.9	1.5	1.3	5.6	3.5	3.0	6.5	5.6	2.5
STROKE	194	25.3	19.7	4.8	33.0	25.9	5.0	37.1	29.5	5.2
HIP FRACTURE	160	6.3	6.0	1.9	11.2	10.7	2.5	13.1	14.0	2.8
SEPSIS	86	24.4	24.0	7.0	29.1	32.2	7.3	33.7	37.0	6.9
PROCEDURES:										
ANGIOPLASTY	7	0.0	3.9	*	0.0	4.6	*	0.0	5.4	*
CORONARY ARTERY BYPASS GRAFT	74	6.8	6.4	3.0	10.8	8.7	3.7	12.2	9.5	4.2
INITIAL PACEMAKER INSERTION	40	0.0	3.2	*	2.5	5.8	*	2.5	8.2	*
CAROTID ENDARTERECTOMY	52	5.8	1.4	2.7	7.7	2.7	3.4	15.4	4.0	5.3
HIP REPLACEMENT/RECONSTRUCTION	104	4.8	4.3	2.3	7.7	7.5	2.8	10.6	9.8	3.1
OPEN REDUCTION OF HIP FRACTURE	86	7.0	5.6	2.9	10.5	10.3	3.5	12.8	13.6	3.8
PROSTATECTOMY	234	0.0	1.0	1.2	0.9	2.3	1.9	2.6	3.9	2.0
CHOLECYSTECTOMY	135	3.0	2.5	1.4	4.4	4.4	1.9	5.2	5.7	2.1
HYSTERECTOMY	34	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 19,096

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	40.76	31.81	0.41	1.28	0.02	5.16	4.86	0.16	1.06	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.73	0.96	0.07	0.77	0.06					
CONGESTIVE HEART FAILURE	2.55	1.99	0.10	1.28	0.07					
PNEUMONIA/INFLUENZA	2.35	1.56	0.09	1.50	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.81	0.63	0.06	1.26	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.45	0.05	1.22	0.14					
STROKE	1.19	1.10	0.08	1.09	0.08					
HIP FRACTURE	0.62	0.60	0.06	1.01	0.10					
SEPSIS	0.70	0.44	0.05	1.65	0.19					
PROCEDURES:										
ANGIOPLASTY	0.08	0.28	0.04	0.27	0.04					
CORONARY ARTERY BYPASS GRAFT	0.34	0.38	0.04	0.95	0.12					
INITIAL PACEMAKER INSERTION	0.14	0.22	0.03	0.77	0.13					
CAROTID ENDARTERECTOMY	0.16	0.12	0.03	1.08	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.41	0.05	1.08	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.04	1.13	0.16					
PROSTATECTOMY	0.86	0.75	0.06	1.14	0.10					
CHOLECYSTECTOMY	0.66	0.49	0.05	1.35	0.14					
HYSTERECTOMY	0.12	0.18	0.03	0.59	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

TYLER, TX (8640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	8,028	10.0	9.6	0.4	14.6	14.6	0.4	18.0	18.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	319	31.0	25.4	3.5	34.5	28.4	3.5	38.2	31.0	3.9
CONGESTIVE HEART FAILURE	390	15.4	14.5	3.3	23.6	22.7	2.5	28.7	28.8	2.7
PNEUMONIA/INFLUENZA	455	13.6	14.8	1.8	20.9	20.6	2.7	26.2	24.3	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	183	7.7	7.3	3.5	13.7	13.0	2.7	17.5	17.4	3.0
TRANSIENT CEREBRAL ISCHEMIA	76	0.0	2.1	2.4	0.0	4.5	4.5	2.6	7.2	4.5
STROKE	242	21.9	19.5	4.1	27.7	26.3	4.3	31.8	30.0	4.3
HIP FRACTURE	223	7.2	6.6	1.7	13.5	11.9	2.6	16.6	15.6	2.6
SEPSIS	65	27.7	23.3	10.3	36.9	31.2	9.6	40.0	35.7	8.6
PROCEDURES:										
ANGIOPLASTY	140	7.9	3.9	2.1	7.9	4.9	2.1	7.9	5.9	2.1
CORONARY ARTERY BYPASS GRAFT	179	5.0	7.0	3.4	7.8	9.5	4.8	7.8	10.6	4.6
INITIAL PACEMAKER INSERTION	82	3.7	2.9	2.5	6.1	5.7	2.6	7.3	8.3	3.2
CAROTID ENDARTERECTOMY	73	2.7	1.8	1.8	2.7	3.4	2.2	2.7	5.0	3.3
HIP REPLACEMENT/RECONSTRUCTION	173	4.0	3.1	1.9	6.9	5.9	1.8	8.1	8.0	2.2
OPEN REDUCTION OF HIP FRACTURE	123	5.7	5.9	2.4	13.0	11.1	3.3	16.3	15.0	3.5
PROSTATECTOMY	253	0.4	1.0	0.8	2.0	2.3	1.0	2.8	3.9	1.6
CHOLECYSTECTOMY	190	2.6	3.4	1.5	5.3	6.3	2.2	6.8	8.4	3.0
HYSTERECTOMY	85	3.5	0.9	3.0	3.5	1.9	2.8	4.7	2.8	3.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 23,489

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.38	29.64	0.35	0.96	0.01	4.69	4.76	0.14	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.91	0.06	1.05	0.07					
CONGESTIVE HEART FAILURE	1.76	1.85	0.09	0.95	0.05					
PNEUMONIA/INFLUENZA	1.77	1.34	0.08	1.31	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.56	0.05	1.04	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.41	0.04	0.74	0.08					
STROKE	0.94	1.03	0.07	0.91	0.06					
HIP FRACTURE	0.63	0.58	0.05	1.07	0.09					
SEPSIS	0.36	0.42	0.04	0.85	0.09					
PROCEDURES:										
ANGIOPLASTY	0.31	0.29	0.04	0.99	0.13					
CORONARY ARTERY BYPASS GRAFT	0.38	0.39	0.04	0.96	0.10					
INITIAL PACEMAKER INSERTION	0.23	0.22	0.03	1.06	0.16					
CAROTID ENDARTERECTOMY	0.21	0.12	0.02	1.66	0.36					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.42	0.04	1.12	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.03	1.08	0.14					
PROSTATECTOMY	0.66	0.78	0.06	0.82	0.06					
CHOLECYSTECTOMY	0.52	0.45	0.04	1.24	0.13					
HYSTERECTOMY	0.20	0.18	0.03	1.11	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

VICTORIA, TX (8750)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,474	7.9	8.0	0.5	11.9	12.6	0.7	15.1	16.1	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	100	21.0	24.3	5.6	23.0	26.9	5.9	27.0	29.6	5.9
CONGESTIVE HEART FAILURE	133	16.5	12.9	3.3	21.1	21.0	3.8	29.3	27.2	5.2
PNEUMONIA/INFLUENZA	201	17.4	14.3	3.6	22.4	19.8	6.1	26.4	23.2	6.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	42	4.8	8.6	*	9.5	15.2	*	14.3	20.1	*
TRANSIENT CEREBRAL ISCHEMIA	34	0.0	1.7	*	2.9	4.1	*	2.9	6.7	*
STROKE	109	20.2	18.9	3.9	23.9	25.1	4.5	25.7	28.8	5.2
HIP FRACTURE	106	5.7	6.2	2.6	10.4	11.1	3.2	14.2	14.3	3.4
SEPSIS	40	32.5	27.1	*	45.0	36.2	*	52.5	41.2	*
PROCEDURES:										
ANGIOPLASTY	20	0.0	3.4	*	0.0	4.3	*	0.0	5.1	*
CORONARY ARTERY BYPASS GRAFT	45	4.4	6.1	*	6.7	8.3	*	8.9	9.5	*
INITIAL PACEMAKER INSERTION	20	10.0	3.3	*	10.0	6.0	*	10.0	8.5	*
CAROTID ENDARTERECTOMY	29	0.0	2.1	*	3.4	4.1	*	3.4	5.9	*
HIP REPLACEMENT/RECONSTRUCTION	80	6.2	3.8	4.5	11.2	7.0	5.4	13.7	9.3	5.4
OPEN REDUCTION OF HIP FRACTURE	55	1.8	5.8	4.6	7.3	10.7	5.5	12.7	14.1	5.2
PROSTATECTOMY	178	1.7	0.9	1.1	2.8	2.0	1.7	3.9	3.5	2.5
CHOLECYSTECTOMY	84	2.4	2.8	1.9	3.6	5.3	3.1	4.8	7.2	3.9
HYSTERECTOMY	28	0.0	0.6	*	0.0	1.4	*	0.0	2.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 9,411

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.86	30.43	0.57	1.15	0.02	4.60	4.67	0.22	0.98	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.97	0.10	0.98	0.10					
CONGESTIVE HEART FAILURE	2.00	1.83	0.14	1.09	0.08					
PNEUMONIA/INFLUENZA	2.23	1.56	0.13	1.44	0.12					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.68	0.09	0.64	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.43	0.07	0.73	0.12					
STROKE	1.13	0.98	0.10	1.11	0.12					
HIP FRACTURE	0.72	0.59	0.08	1.16	0.16					
SEPSIS	0.53	0.39	0.06	1.34	0.23					
PROCEDURES:										
ANGIOPLASTY	0.18	0.31	0.06	0.62	0.12					
CORONARY ARTERY BYPASS GRAFT	0.37	0.41	0.07	0.80	0.13					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.05	0.73	0.18					
CAROTID ENDARTERECTOMY	0.13	0.15	0.04	0.90	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.43	0.07	1.08	0.18					
OPEN REDUCTION OF HIP FRACTURE	0.39	0.29	0.05	1.25	0.25					
PROSTATECTOMY	1.08	0.76	0.09	1.38	0.17					
CHOLECYSTECTOMY	0.68	0.51	0.07	1.31	0.20					
HYSTERECTOMY	0.12	0.18	0.04	0.56	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

WACO, TX (8800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	5,049	11.5	9.6	0.4	16.5	14.3	0.6	19.8	17.7	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	173	32.4	27.5	4.5	38.2	30.4	5.0	40.5	33.0	5.0
CONGESTIVE HEART FAILURE	225	17.8	13.9	3.9	27.1	21.9	4.1	29.8	27.9	3.4
PNEUMONIA/INFLUENZA	261	17.6	15.7	2.8	25.7	21.6	3.5	29.5	25.3	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	49	6.1	8.4	*	18.4	14.5	*	24.5	18.9	*
TRANSIENT CEREBRAL ISCHEMIA	57	3.5	1.8	2.3	5.3	4.1	2.8	7.0	6.7	3.4
STROKE	219	21.9	22.2	3.6	27.9	28.0	3.8	33.3	31.6	3.7
HIP FRACTURE	236	7.6	5.8	2.1	14.4	10.4	3.2	18.6	13.6	3.9
SEPSIS	63	39.7	29.8	10.3	47.6	37.2	10.3	50.8	42.0	10.1
PROCEDURES:										
ANGIOPLASTY	56	1.8	1.3	1.6	1.8	1.9	1.9	3.6	2.5	2.3
CORONARY ARTERY BYPASS GRAFT	64	7.8	3.8	5.1	9.4	5.4	5.2	12.5	6.2	6.2
INITIAL PACEMAKER INSERTION	22	4.5	1.7	*	9.1	3.6	*	9.1	5.5	*
CAROTID ENDARTERECTOMY	38	0.0	1.5	*	2.6	2.9	*	5.3	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	120	5.0	3.2	3.0	8.3	5.9	4.2	11.7	8.0	4.4
OPEN REDUCTION OF HIP FRACTURE	150	6.7	5.5	2.7	14.7	10.1	3.9	17.3	13.4	5.2
PROSTATECTOMY	254	2.4	0.8	1.4	2.8	1.9	1.2	4.3	3.3	1.4
CHOLECYSTECTOMY	132	3.0	2.6	1.4	5.3	4.9	2.7	6.8	6.5	3.3
HYSTERECTOMY	76	2.6	0.6	2.4	3.9	1.2	3.4	3.9	1.9	3.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 29,011

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.88	31.09	0.33	0.70	0.01	5.04	4.90	0.13	1.03	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.72	0.95	0.06	0.75	0.05					
CONGESTIVE HEART FAILURE	1.13	1.97	0.08	0.57	0.02					
PNEUMONIA/INFLUENZA	1.16	1.53	0.07	0.76	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.62	0.05	0.45	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.44	0.04	0.49	0.04					
STROKE	0.88	1.04	0.06	0.84	0.05					
HIP FRACTURE	0.74	0.64	0.05	1.16	0.09					
SEPSIS	0.30	0.41	0.04	0.68	0.06					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.03	0.63	0.07					
CORONARY ARTERY BYPASS GRAFT	0.23	0.38	0.04	0.67	0.07					
INITIAL PACEMAKER INSERTION	0.11	0.21	0.03	0.54	0.07					
CAROTID ENDARTERECTOMY	0.08	0.13	0.02	0.72	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.45	0.04	0.85	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.47	0.30	0.03	1.51	0.17					
PROSTATECTOMY	0.85	0.75	0.05	1.12	0.08					
CHOLECYSTECTOMY	0.44	0.49	0.04	0.91	0.08					
HYSTERECTOMY	0.23	0.18	0.02	1.19	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

WICHITA FALLS, TX (9080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,824	9.7	8.4	0.5	14.5	12.9	0.7	17.6	16.3	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	174	27.6	24.7	4.7	32.2	27.5	5.4	36.2	30.1	6.5
CONGESTIVE HEART FAILURE	198	17.7	14.4	4.5	26.8	23.1	4.9	31.3	29.6	4.7
PNEUMONIA/INFLUENZA	241	18.3	14.1	2.9	23.2	19.8	2.9	27.0	23.5	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	53	7.5	8.8	4.7	13.2	15.3	6.8	15.1	19.9	7.6
TRANSIENT CEREBRAL ISCHEMIA	48	2.1	1.6	*	8.3	3.6	*	10.4	5.7	*
STROKE	201	19.9	17.2	3.9	26.4	24.1	3.4	30.3	28.0	3.6
HIP FRACTURE	176	6.8	5.7	2.5	10.8	10.2	2.7	14.8	13.5	2.9
SEPSIS	60	35.0	25.2	10.7	45.0	33.4	11.8	48.3	38.4	11.7
PROCEDURES:										
ANGIOPLASTY	21	0.0	3.3	*	0.0	4.0	*	0.0	4.6	*
CORONARY ARTERY BYPASS GRAFT	67	6.0	5.2	3.1	10.4	7.4	4.0	10.4	8.4	3.8
INITIAL PACEMAKER INSERTION	48	6.3	3.5	*	16.7	6.4	*	22.9	8.8	*
CAROTID ENDARTERECTOMY	53	0.0	1.4	2.0	3.8	2.6	2.4	3.8	3.8	3.2
HIP REPLACEMENT/RECONSTRUCTION	123	7.3	3.4	3.8	8.9	6.2	3.9	11.4	8.4	4.0
OPEN REDUCTION OF HIP FRACTURE	97	6.2	5.2	2.5	9.3	9.8	3.3	13.4	13.2	3.4
PROSTATECTOMY	300	1.0	0.8	0.6	2.7	2.0	1.0	3.3	3.4	1.2
CHOLECYSTECTOMY	132	2.3	2.6	2.1	4.5	4.6	2.5	5.3	6.0	2.3
HYSTERECTOMY	40	0.0	0.6	*	2.5	1.2	*	2.5	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,879

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.91	30.83	0.41	0.94	0.01	5.16	4.82	0.16	1.07	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.98	0.07	0.93	0.07					
CONGESTIVE HEART FAILURE	1.49	1.92	0.10	0.77	0.04					
PNEUMONIA/INFLUENZA	1.71	1.55	0.09	1.10	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.63	0.06	0.76	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.45	0.05	0.56	0.06					
STROKE	1.15	1.02	0.07	1.13	0.08					
HIP FRACTURE	0.74	0.66	0.06	1.14	0.11					
SEPSIS	0.37	0.39	0.05	0.96	0.12					
PROCEDURES:										
ANGIOPLASTY	0.13	0.29	0.04	0.47	0.07					
CORONARY ARTERY BYPASS GRAFT	0.35	0.40	0.05	0.89	0.11					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.03	1.02	0.18					
CAROTID ENDARTERECTOMY	0.26	0.13	0.03	1.84	0.44					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.47	0.05	1.07	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.41	0.31	0.04	1.30	0.18					
PROSTATECTOMY	1.02	0.75	0.06	1.37	0.12					
CHOLECYSTECTOMY	0.60	0.50	0.05	1.18	0.13					
HYSTERECTOMY	0.19	0.19	0.03	1.04	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

TX-(NONMSA) (99TX)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	69,754	10.9	9.8	0.2	15.7	14.6	0.3	19.1	18.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,218	31.6	25.9	1.0	35.4	29.1	1.6	38.4	32.0	1.5
CONGESTIVE HEART FAILURE	4,286	15.6	14.3	0.6	23.3	22.6	0.9	29.0	28.7	0.7
PNEUMONIA/INFLUENZA	6,690	14.4	14.4	0.6	19.5	19.9	0.5	23.2	23.5	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,429	7.4	7.7	0.7	12.6	13.6	1.3	16.7	18.1	1.6
TRANSIENT CEREBRAL ISCHEMIA	872	1.9	1.7	0.6	4.2	3.9	1.0	7.2	6.4	1.2
STROKE	2,830	21.7	19.1	0.9	28.8	25.6	0.9	33.6	29.5	1.0
HIP FRACTURE	1,565	6.8	6.1	1.1	11.9	10.9	1.6	15.4	14.2	1.7
SEPSIS	1,208	26.6	26.5	1.5	34.9	34.1	1.8	39.6	38.8	1.9
PROCEDURES:										
ANGIOPLASTY	126	3.2	3.2	1.6	4.0	3.9	1.9	4.8	4.7	2.2
CORONARY ARTERY BYPASS GRAFT	119	7.6	6.6	3.5	7.6	9.3	3.6	9.2	10.4	3.8
INITIAL PACEMAKER INSERTION	235	6.0	3.5	1.7	8.9	6.7	2.0	10.2	9.6	2.0
CAROTID ENDARTERECTOMY	98	2.0	1.6	1.5	2.0	2.9	2.2	4.1	4.2	2.4
HIP REPLACEMENT/RECONSTRUCTION	794	4.5	4.2	0.8	7.7	7.7	1.1	10.2	10.3	1.1
OPEN REDUCTION OF HIP FRACTURE	775	6.2	5.6	1.9	12.1	10.4	2.4	15.4	13.8	2.5
PROSTATECTOMY	1,823	1.0	1.0	0.3	2.2	2.2	0.4	3.8	3.8	0.4
CHOLECYSTECTOMY	1,494	2.6	2.5	0.7	4.1	4.6	0.9	5.1	6.0	1.1
HYSTERECTOMY	399	0.8	0.6	0.6	1.8	1.3	1.3	2.3	2.1	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 546,591

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.10	31.60	0.08	1.02	0.00	4.85	4.83	0.03	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	1.04	0.01	0.98	0.01					
CONGESTIVE HEART FAILURE	1.92	1.91	0.02	1.00	0.01					
PNEUMONIA/INFLUENZA	2.18	1.73	0.02	1.26	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.67	0.67	0.01	0.99	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.44	0.01	0.82	0.02					
STROKE	1.07	1.06	0.01	1.01	0.01					
HIP FRACTURE	0.74	0.65	0.01	1.14	0.02					
SEPSIS	0.46	0.39	0.01	1.16	0.03					
PROCEDURES:										
ANGIOPLASTY	0.32	0.29	0.01	1.11	0.03					
CORONARY ARTERY BYPASS GRAFT	0.40	0.41	0.01	0.97	0.02					
INITIAL PACEMAKER INSERTION	0.21	0.22	0.01	0.95	0.03					
CAROTID ENDARTERECTOMY	0.14	0.14	0.00	0.96	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.01	1.04	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.38	0.30	0.01	1.23	0.03					
PROSTATECTOMY	0.90	0.84	0.01	1.07	0.02					
CHOLECYSTECTOMY	0.61	0.54	0.01	1.13	0.02					
HYSTERECTOMY	0.18	0.19	0.01	0.95	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

PROVO-OREM, UT (6520)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,987	9.6	7.0	0.7	13.1	10.5	0.8	15.5	13.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	150	20.0	21.9	3.7	23.3	25.1	4.3	24.7	27.9	4.7
CONGESTIVE HEART FAILURE	146	16.4	13.4	3.4	19.9	21.2	3.8	27.4	27.4	3.7
PNEUMONIA/INFLUENZA	205	19.5	13.1	4.1	25.4	18.2	4.5	28.8	21.6	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	50	8.0	7.3	*	14.0	13.4	*	16.0	18.0	*
TRANSIENT CEREBRAL ISCHEMIA	31	3.2	1.3	*	12.9	3.1	*	16.1	5.2	*
STROKE	121	25.6	18.9	6.6	29.8	24.8	6.5	32.2	28.5	6.5
HIP FRACTURE	112	11.6	6.1	4.0	17.0	10.8	4.8	17.9	14.2	4.4
SEPSIS	66	18.2	21.8	5.3	19.7	28.6	6.6	22.7	32.8	7.1
PROCEDURES:										
ANGIOPLASTY	99	0.0	2.8	3.1	0.0	3.7	3.7	0.0	4.6	4.1
CORONARY ARTERY BYPASS GRAFT	93	5.4	6.9	3.0	8.6	9.4	4.7	8.6	10.4	5.1
INITIAL PACEMAKER INSERTION	61	4.9	2.4	4.0	8.2	4.6	4.5	8.2	6.5	4.3
CAROTID ENDARTERECTOMY	30	6.7	1.9	*	6.7	3.5	*	6.7	5.1	*
HIP REPLACEMENT/RECONSTRUCTION	146	0.7	1.8	1.4	4.1	3.3	2.2	4.1	4.5	1.9
OPEN REDUCTION OF HIP FRACTURE	57	12.3	5.9	6.3	14.0	10.6	5.8	14.0	13.9	6.0
PROSTATECTOMY	184	0.5	0.7	0.8	3.8	1.7	1.4	4.9	3.0	1.7
CHOLECYSTECTOMY	149	6.0	2.4	1.9	8.1	4.1	2.4	8.1	5.2	3.1
HYSTERECTOMY	41	2.4	0.2	*	2.4	0.4	*	4.9	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,809

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.34	26.24	0.35	0.89	0.01	4.06	4.36	0.14	0.93	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.88	0.06	1.02	0.08					
CONGESTIVE HEART FAILURE	1.12	1.51	0.09	0.75	0.04					
PNEUMONIA/INFLUENZA	1.30	1.26	0.08	1.03	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.30	0.52	0.05	0.61	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.19	0.33	0.04	0.62	0.08					
STROKE	0.70	0.85	0.06	0.82	0.06					
HIP FRACTURE	0.50	0.56	0.05	0.91	0.09					
SEPSIS	0.42	0.33	0.04	1.30	0.16					
PROCEDURES:										
ANGIOPLASTY	0.53	0.30	0.04	1.75	0.23					
CORONARY ARTERY BYPASS GRAFT	0.54	0.40	0.04	1.41	0.16					
INITIAL PACEMAKER INSERTION	0.27	0.19	0.03	1.31	0.23					
CAROTID ENDARTERECTOMY	0.15	0.12	0.03	1.05	0.25					
HIP REPLACEMENT/RECONSTRUCTION	0.70	0.45	0.05	1.59	0.17					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.27	0.04	0.84	0.12					
PROSTATECTOMY	0.93	0.79	0.06	1.20	0.10					
CHOLECYSTECTOMY	0.77	0.45	0.05	1.69	0.18					
HYSTERECTOMY	0.20	0.18	0.03	1.18	0.21					

** QUANTITIES COULD NOT BE ESTIMATED

SALT LAKE CITY-OGDEN, UT (7160)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	17,821	8.3	7.1	0.2	12.3	10.8	0.4	15.5	13.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	630	20.2	21.8	1.9	22.7	24.6	2.2	25.4	27.2	2.5
CONGESTIVE HEART FAILURE	615	14.5	13.1	1.6	21.6	20.9	1.8	29.4	26.8	2.4
PNEUMONIA/INFLUENZA	727	11.8	13.2	1.6	17.9	18.2	1.5	22.7	21.6	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	153	9.8	7.7	2.4	13.7	13.4	3.5	21.6	17.8	4.0
TRANSIENT CEREBRAL ISCHEMIA	123	4.9	2.3	2.0	8.9	4.8	3.1	13.0	7.4	4.0
STROKE	627	24.2	18.8	2.3	30.3	24.6	2.6	34.1	28.4	2.6
HIP FRACTURE	575	5.4	5.4	1.2	13.7	9.7	1.9	18.6	12.9	2.2
SEPSIS	167	21.0	19.2	3.2	23.4	25.6	3.9	31.7	29.8	4.0
PROCEDURES:										
ANGIOPLASTY	253	3.6	3.1	1.1	4.0	3.9	1.3	4.3	4.8	1.6
CORONARY ARTERY BYPASS GRAFT	493	3.2	4.8	1.4	4.7	6.8	1.9	5.5	7.7	2.0
INITIAL PACEMAKER INSERTION	137	1.5	2.8	1.9	2.9	5.4	3.0	5.8	7.8	4.1
CAROTID ENDARTERECTOMY	97	6.2	1.4	2.6	8.2	2.6	3.1	8.2	3.9	2.8
HIP REPLACEMENT/RECONSTRUCTION	679	1.9	2.1	0.8	5.0	3.9	1.1	6.5	5.5	1.5
OPEN REDUCTION OF HIP FRACTURE	283	6.4	5.1	1.5	15.2	9.3	2.7	20.5	12.5	3.3
PROSTATECTOMY	810	0.7	0.7	0.5	1.6	1.6	0.7	3.5	2.9	0.7
CHOLECYSTECTOMY	590	4.1	2.2	1.1	6.3	4.1	1.4	7.5	5.6	1.3
HYSTERECTOMY	295	0.0	0.4	0.5	0.3	1.0	0.8	0.7	1.6	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 101,601

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	20.49	26.83	0.16	0.76	0.00	4.13	4.46	0.07	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.89	0.03	0.85	0.03					
CONGESTIVE HEART FAILURE	0.83	1.58	0.04	0.52	0.01					
PNEUMONIA/INFLUENZA	0.92	1.27	0.03	0.73	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.22	0.53	0.02	0.42	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.15	0.35	0.02	0.42	0.02					
STROKE	0.71	0.86	0.03	0.82	0.03					
HIP FRACTURE	0.62	0.59	0.02	1.06	0.04					
SEPSIS	0.22	0.34	0.02	0.65	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.31	0.02	0.92	0.05					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.02	1.04	0.05					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.01	0.70	0.05					
CAROTID ENDARTERECTOMY	0.10	0.13	0.01	0.69	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.45	0.02	1.36	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.28	0.02	1.06	0.06					
PROSTATECTOMY	0.80	0.76	0.03	1.05	0.04					
CHOLECYSTECTOMY	0.59	0.46	0.02	1.30	0.06					
HYSTERECTOMY	0.26	0.18	0.01	1.45	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

UT-(NONMSA) (99UT)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES................................	5,734	8.8	8.6	0.5	11.8	12.4	0.5	14.9	15.3	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION................	274	20.1	24.5	3.6	21.5	27.3	3.9	24.1	29.9	4.0
CONGESTIVE HEART FAILURE...................	241	17.0	14.0	4.6	24.5	22.2	4.2	31.5	28.2	4.1
PNEUMONIA/INFLUENZA........................	502	10.0	13.9	2.5	15.3	19.2	2.8	18.7	22.6	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS........	82	11.0	7.3	3.2	13.4	12.6	3.7	23.2	16.9	5.8
TRANSIENT CEREBRAL ISCHEMIA.................	41	4.9	2.1	*	4.9	4.6	*	4.9	7.4	*
STROKE....................................	182	26.4	20.9	3.6	29.1	26.6	3.4	33.5	30.2	4.0
HIP FRACTURE..............................	128	6.3	6.1	2.2	11.7	10.4	2.8	16.4	13.6	3.9
SEPSIS.....................................	72	22.2	21.7	6.5	23.6	27.5	6.2	26.4	31.5	7.4
PROCEDURES:										
ANGIOPLASTY.................................	0									
CORONARY ARTERY BYPASS GRAFT.................	0									
INITIAL PACEMAKER INSERTION.................	28	3.6	4.8	*	3.6	7.8	*	7.1	10.5	*
CAROTID ENDARTERECTOMY.......................	0									
HIP REPLACEMENT/RECONSTRUCTION.............	153	2.0	2.4	1.4	2.6	4.3	2.3	3.9	5.8	2.6
OPEN REDUCTION OF HIP FRACTURE..............	68	8.8	5.4	3.3	17.6	9.6	5.0	22.1	12.8	6.2
PROSTATECTOMY.............................	213	0.5	0.7	0.7	1.4	1.7	1.4	2.3	3.0	2.2
CHOLECYSTECTOMY...........................	184	2.7	2.1	1.2	4.3	3.8	1.8	5.4	5.0	2.1
HYSTERECTOMY................................	65	0.0	0.6	1.0	0.0	1.4	1.7	0.0	2.4	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,446

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES.....................................	23.99	26.75	0.24	0.90	0.01	4.09	4.37	0.10	0.94	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION..................	1.00	0.91	0.04	1.17	0.06					
CONGESTIVE HEART FAILURE.....................	0.95	1.51	0.06	0.64	0.03					
PNEUMONIA/INFLUENZA..........................	1.52	1.30	0.05	1.18	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE........	0.38	0.50	0.03	0.75	0.06					
TRANSIENT CEREBRAL ISCHEMIA..................	0.18	0.34	0.03	0.42	0.04					
STROKE.......................................	0.62	0.86	0.04	0.68	0.04					
HIP FRACTURE.................................	0.53	0.56	0.04	0.87	0.06					
SEPSIS.......................................	0.29	0.32	0.03	0.90	0.09					
PROCEDURES:										
ANGIOPLASTY..................................	0.22	0.29	0.03	0.65	0.07					
CORONARY ARTERY BYPASS GRAFT.................	0.42	0.42	0.03	1.08	0.09					
INITIAL PACEMAKER INSERTION..................	0.17	0.20	0.02	0.75	0.10					
CAROTID ENDARTERECTOMY.......................	0.06	0.13	0.02	0.33	0.06					
HIP REPLACEMENT/RECONSTRUCTION...............	0.67	0.47	0.03	1.45	0.12					
OPEN REDUCTION OF HIP FRACTURE...............	0.29	0.27	0.02	0.97	0.11					
PROSTATECTOMY................................	0.86	0.87	0.04	0.92	0.05					
CHOLECYSTECTOMY..............................	0.70	0.48	0.03	1.45	0.12					
HYSTERECTOMY.................................	0.24	0.19	0.02	1.20	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLOTTESVILLE, VA (1540)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,321	7.2	8.6	0.5	12.0	13.4	0.6	15.2	16.9	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	159	19.5	30.1	5.1	24.5	33.0	5.1	30.8	35.8	5.0
CONGESTIVE HEART FAILURE	247	10.9	13.9	2.6	17.8	22.3	3.7	20.6	28.6	4.5
PNEUMONIA/INFLUENZA	260	12.7	14.2	3.1	18.5	19.8	4.3	22.7	23.6	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	53	7.5	6.1	4.1	13.2	11.4	4.6	20.8	15.7	6.6
TRANSIENT CEREBRAL ISCHEMIA	84	0.0	1.9	2.5	2.4	4.0	3.0	6.0	6.3	3.0
STROKE	211	11.4	18.5	4.0	16.6	24.2	4.3	18.0	27.7	4.9
HIP FRACTURE	111	2.7	5.1	2.7	3.6	9.3	4.1	5.4	12.3	4.7
SEPSIS	46	41.3	28.0	*	43.5	37.4	*	52.2	42.6	*
PROCEDURES:										
ANGIOPLASTY	59	5.1	4.3	2.9	6.8	5.7	3.5	10.2	6.8	4.5
CORONARY ARTERY BYPASS GRAFT	113	8.0	7.3	2.6	11.5	10.1	3.9	13.3	11.4	4.6
INITIAL PACEMAKER INSERTION	47	0.0	3.6	*	6.4	6.9	*	12.8	10.0	*
CAROTID ENDARTERECTOMY	33	0.0	1.7	*	3.0	3.0	*	3.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	127	0.0	1.9	2.0	1.6	3.8	3.0	2.4	5.3	3.8
OPEN REDUCTION OF HIP FRACTURE	39	2.6	4.7	*	5.1	8.7	*	7.7	11.6	*
PROSTATECTOMY	121	0.0	0.8	1.1	1.7	1.9	1.3	3.3	3.2	1.6
CHOLECYSTECTOMY	75	1.3	2.0	1.7	2.7	3.7	2.4	2.7	5.0	3.3
HYSTERECTOMY	64	0.0	0.7	1.3	0.0	1.5	2.0	1.6	2.4	2.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 16,019

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.35	27.31	0.41	1.08	0.02	4.69	4.72	0.17	1.00	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.81	0.07	1.17	0.11					
CONGESTIVE HEART FAILURE	1.69	1.65	0.10	1.04	0.06					
PNEUMONIA/INFLUENZA	1.42	1.16	0.08	1.23	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.46	0.05	0.95	0.12					
TRANSIENT CEREBRAL ISCHEMIA	0.45	0.36	0.05	1.28	0.19					
STROKE	1.07	0.93	0.08	1.14	0.10					
HIP FRACTURE	0.60	0.57	0.06	1.00	0.11					
SEPSIS	0.26	0.39	0.05	0.65	0.09					
PROCEDURES:										
ANGIOPLASTY	0.12	0.27	0.04	0.41	0.07					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.05	0.97	0.14					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.04	1.04	0.21					
CAROTID ENDARTERECTOMY	0.05	0.10	0.03	0.49	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.41	0.05	1.06	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.29	0.04	0.61	0.10					
PROSTATECTOMY	0.54	0.73	0.07	0.72	0.07					
CHOLECYSTECTOMY	0.31	0.39	0.05	0.75	0.10					
HYSTERECTOMY	0.13	0.16	0.03	0.96	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

DANVILLE, VA (1950)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	3,562	9.8	9.6	0.7	15.6	14.7	0.9	19.3	18.3	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	147	17.0	24.7	5.5	19.7	27.8	6.0	22.4	30.5	6.1
CONGESTIVE HEART FAILURE	190	14.2	13.3	2.8	25.8	21.4	4.9	30.5	27.3	4.6
PNEUMONIA/INFLUENZA	152	20.4	18.6	4.2	27.6	25.8	3.9	30.3	30.0	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	14	14.3	12.4	*	21.4	20.1	*	28.6	25.8	*
TRANSIENT CEREBRAL ISCHEMIA	59	6.8	2.1	4.3	10.2	4.5	5.5	11.9	7.0	6.0
STROKE	140	18.6	19.6	3.5	28.6	26.5	4.2	31.4	30.5	4.9
HIP FRACTURE	123	9.8	7.1	3.1	14.6	12.5	3.4	16.3	16.3	3.3
SEPSIS	48	37.5	25.2	*	41.7	34.8	*	41.7	39.7	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	22	4.5	2.8	*	4.5	5.7	*	9.1	8.4	*
CAROTID ENDARTERECTOMY	4	0.0	1.9	*	0.0	3.5	*	0.0	5.4	*
HIP REPLACEMENT/RECONSTRUCTION	41	12.2	5.2	*	19.5	9.7	*	22.0	12.8	*
OPEN REDUCTION OF HIP FRACTURE	81	6.2	6.7	2.8	11.1	12.3	3.9	12.3	16.4	4.9
PROSTATECTOMY	92	0.0	0.9	1.5	0.0	2.1	3.1	4.3	3.6	2.4
CHOLECYSTECTOMY	85	10.6	2.8	5.3	11.8	5.6	4.2	12.9	7.8	4.0
HYSTERECTOMY	33	0.0	0.1	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,262

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.26	31.77	0.40	0.89	0.01	4.80	4.71	0.15	1.02	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.30	0.91	0.07	1.43	0.11					
CONGESTIVE HEART FAILURE	1.77	2.04	0.10	0.87	0.04					
PNEUMONIA/INFLUENZA	1.03	1.39	0.08	0.73	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.15	0.63	0.06	0.21	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.47	0.05	0.88	0.09					
STROKE	0.94	1.08	0.07	0.87	0.06					
HIP FRACTURE	0.72	0.54	0.05	1.36	0.13					
SEPSIS	0.38	0.45	0.05	0.84	0.09					
PROCEDURES:										
ANGIOPLASTY	0.21	0.29	0.04	0.75	0.10					
CORONARY ARTERY BYPASS GRAFT	0.50	0.40	0.04	1.27	0.15					
INITIAL PACEMAKER INSERTION	0.14	0.21	0.03	0.68	0.11					
CAROTID ENDARTERECTOMY	0.04	0.13	0.03	0.14	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.38	0.04	0.81	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.47	0.27	0.04	1.77	0.25					
PROSTATECTOMY	0.53	0.71	0.06	0.72	0.06					
CHOLECYSTECTOMY	0.58	0.48	0.05	1.19	0.12					
HYSTERECTOMY	0.21	0.17	0.03	1.23	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

JOHNSON CITY-KINGSPORT-BRISTOL, TN-VA (3660)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	15,942	8.9	8.7	0.3	13.9	13.2	0.5	16.8	16.5	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	547	26.7	27.4	2.3	30.5	30.1	2.4	32.2	32.8	2.1
CONGESTIVE HEART FAILURE	718	15.2	14.2	1.4	26.6	22.6	2.3	32.5	28.8	2.4
PNEUMONIA/INFLUENZA	904	14.6	15.2	1.3	21.7	21.1	1.6	25.3	25.0	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	270	4.8	6.1	1.8	12.6	11.0	2.9	13.7	14.9	2.6
TRANSIENT CEREBRAL ISCHEMIA	270	1.5	1.7	0.9	4.1	3.9	1.3	7.0	6.3	1.6
STROKE	521	21.1	20.2	1.9	28.2	26.2	2.3	30.7	29.8	2.3
HIP FRACTURE	371	3.5	6.0	1.9	8.6	10.5	2.5	10.5	13.7	2.9
SEPSIS	173	26.6	20.4	5.7	32.4	28.9	4.5	35.3	33.8	3.9
PROCEDURES:										
ANGIOPLASTY	84	6.0	4.0	2.4	6.0	5.1	2.7	7.1	6.2	2.9
CORONARY ARTERY BYPASS GRAFT	182	5.5	5.6	1.7	7.1	7.7	2.1	8.2	8.9	2.4
INITIAL PACEMAKER INSERTION	68	0.0	3.1	3.1	1.5	6.0	4.6	4.4	8.7	5.6
CAROTID ENDARTERECTOMY	81	0.0	1.3	1.7	0.0	2.5	2.7	1.2	3.6	2.8
HIP REPLACEMENT/RECONSTRUCTION	273	2.2	3.3	1.5	5.5	6.2	1.7	7.3	8.3	2.3
OPEN REDUCTION OF HIP FRACTURE	157	3.2	5.9	3.2	9.6	10.6	4.1	11.5	13.9	3.9
PROSTATECTOMY	346	0.6	0.8	0.5	1.4	2.0	0.9	2.9	3.5	1.3
CHOLECYSTECTOMY	351	2.8	2.4	0.9	4.8	4.3	1.3	6.8	5.7	1.7
HYSTERECTOMY	125	0.0	0.6	0.8	0.8	1.2	1.1	0.8	2.0	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 76,687

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.72	30.95	0.20	0.96	0.01	4.57	4.55	0.08	1.01	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	1.02	0.04	0.93	0.03					
CONGESTIVE HEART FAILURE	1.76	1.89	0.05	0.93	0.02					
PNEUMONIA/INFLUENZA	1.81	1.60	0.05	1.13	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.62	0.74	0.03	0.81	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.46	0.02	0.93	0.05					
STROKE	0.89	0.95	0.03	0.94	0.03					
HIP FRACTURE	0.61	0.61	0.03	0.99	0.05					
SEPSIS	0.36	0.36	0.02	1.01	0.06					
PROCEDURES:										
ANGIOPLASTY	0.16	0.31	0.02	0.54	0.04					
CORONARY ARTERY BYPASS GRAFT	0.31	0.43	0.02	0.72	0.04					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.02	0.72	0.06					
CAROTID ENDARTERECTOMY	0.11	0.16	0.01	0.71	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.44	0.02	0.90	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.02	0.90	0.06					
PROSTATECTOMY	0.52	0.73	0.03	0.71	0.03					
CHOLECYSTECTOMY	0.50	0.55	0.03	0.90	0.04					
HYSTERECTOMY	0.16	0.19	0.02	0.85	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

LYNCHBURG, VA (4640)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,627	8.9	8.3	0.5	13.8	12.6	0.7	16.9	15.9	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	200	21.5	24.0	3.2	24.5	26.8	3.4	25.5	29.6	3.8
CONGESTIVE HEART FAILURE	281	11.0	13.2	3.1	18.9	21.0	2.9	27.8	27.0	2.8
PNEUMONIA/INFLUENZA	289	14.2	13.0	2.5	18.7	18.0	3.4	22.1	21.4	3.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	87	4.6	7.8	4.5	12.6	13.8	4.7	18.4	18.3	4.4
TRANSIENT CEREBRAL ISCHEMIA	61	1.6	1.6	2.3	8.2	3.9	4.0	13.1	6.6	6.0
STROKE	239	23.0	19.4	4.5	30.5	24.8	4.5	31.8	28.3	4.4
HIP FRACTURE	139	7.2	6.4	3.1	12.9	11.2	3.4	17.3	14.6	4.2
SEPSIS	54	24.1	27.5	9.2	29.6	33.4	7.9	31.5	37.3	9.2
PROCEDURES:										
ANGIOPLASTY	19	0.0	4.2	*	0.0	5.1	*	0.0	6.1	*
CORONARY ARTERY BYPASS GRAFT	89	2.2	4.8	3.1	2.2	6.6	4.1	3.4	7.5	4.6
INITIAL PACEMAKER INSERTION	34	0.0	3.2	*	2.9	5.9	*	5.9	8.4	*
CAROTID ENDARTERECTOMY	7	0.0	0.9	*	0.0	1.7	*	0.0	2.6	*
HIP REPLACEMENT/RECONSTRUCTION	105	2.9	2.9	1.7	6.7	5.4	2.5	10.5	7.4	3.6
OPEN REDUCTION OF HIP FRACTURE	70	7.1	6.8	3.4	11.4	12.3	4.2	14.3	16.0	4.7
PROSTATECTOMY	158	1.3	0.9	0.8	3.2	2.3	1.4	5.7	4.0	2.2
CHOLECYSTECTOMY	91	2.2	3.0	1.9	5.5	5.6	2.4	7.7	7.3	2.9
HYSTERECTOMY	34	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,460

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.03	29.89	0.35	0.94	0.01	4.58	4.70	0.14	0.97	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.98	0.87	0.06	1.13	0.08					
CONGESTIVE HEART FAILURE	1.62	1.87	0.09	0.87	0.04					
PNEUMONIA/INFLUENZA	1.28	1.32	0.07	0.97	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.59	0.05	0.85	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.42	0.04	0.65	0.07					
STROKE	0.91	1.01	0.06	0.91	0.06					
HIP FRACTURE	0.67	0.56	0.05	1.18	0.10					
SEPSIS	0.26	0.42	0.04	0.58	0.06					
PROCEDURES:										
ANGIOPLASTY	0.18	0.27	0.03	0.68	0.09					
CORONARY ARTERY BYPASS GRAFT	0.49	0.37	0.04	1.41	0.15					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.03	0.60	0.09					
CAROTID ENDARTERECTOMY	0.05	0.11	0.02	0.44	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.39	0.04	1.17	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.28	0.03	1.17	0.15					
PROSTATECTOMY	0.61	0.69	0.05	0.87	0.07					
CHOLECYSTECTOMY	0.38	0.44	0.04	0.86	0.08					
HYSTERECTOMY	0.13	0.17	0.03	0.78	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

NORFOLK-VIRGINIA BEACH-NEWPORT NEWS, VA (5720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,766	8.8	8.5	0.2	13.7	13.1	0.3	17.1	16.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	907	22.2	24.2	2.6	26.7	27.1	2.9	28.9	29.8	2.5
CONGESTIVE HEART FAILURE	1,459	14.1	13.7	1.1	22.1	21.7	1.1	27.5	27.8	1.2
PNEUMONIA/INFLUENZA	1,148	15.9	14.7	1.7	21.4	20.4	1.4	25.3	24.1	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	509	9.8	7.1	1.9	15.9	12.7	2.5	20.6	17.0	2.8
TRANSIENT CEREBRAL ISCHEMIA	423	2.4	1.6	1.2	4.0	3.6	1.7	6.1	5.8	1.7
STROKE	1,175	18.6	18.6	1.2	26.4	24.8	1.5	30.9	28.5	1.7
HIP FRACTURE	646	6.5	6.1	1.2	12.2	11.0	1.4	16.3	14.4	1.7
SEPSIS	352	25.6	26.2	2.4	36.1	34.1	2.8	40.9	39.0	3.4
PROCEDURES:										
ANGIOPLASTY	245	3.3	3.5	1.2	4.1	4.4	1.5	4.5	5.3	1.9
CORONARY ARTERY BYPASS GRAFT	474	5.5	6.3	1.6	7.2	9.0	2.3	8.2	10.2	2.3
INITIAL PACEMAKER INSERTION	219	1.8	3.2	1.4	3.2	6.1	2.3	5.0	8.7	2.9
CAROTID ENDARTERECTOMY	191	0.5	1.5	1.4	2.1	2.7	1.6	3.1	4.0	2.2
HIP REPLACEMENT/RECONSTRUCTION	513	3.9	3.2	1.3	7.0	6.0	1.4	9.0	8.0	1.4
OPEN REDUCTION OF HIP FRACTURE	303	5.3	5.5	1.5	11.6	10.3	2.1	14.9	13.8	2.1
PROSTATECTOMY	824	0.5	0.9	0.5	1.8	2.1	0.6	3.8	3.6	0.8
CHOLECYSTECTOMY	504	1.8	2.8	1.3	4.8	5.2	1.7	6.5	6.9	1.5
HYSTERECTOMY	250	0.8	0.6	0.7	0.8	1.3	0.8	2.0	2.0	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 140,987

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.40	28.96	0.14	1.08	0.00	4.82	4.60	0.06	1.05	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.88	0.80	0.02	1.11	0.03					
CONGESTIVE HEART FAILURE	1.81	1.90	0.04	0.95	0.02					
PNEUMONIA/INFLUENZA	1.11	1.11	0.03	**	**					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.52	0.02	1.09	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.41	0.02	0.91	0.04					
STROKE	1.06	1.00	0.03	1.06	0.03					
HIP FRACTURE	0.54	0.49	0.02	1.09	0.04					
SEPSIS	0.39	0.44	0.02	0.88	0.04					
PROCEDURES:										
ANGIOPLASTY	0.27	0.27	0.01	1.01	0.05					
CORONARY ARTERY BYPASS GRAFT	0.47	0.37	0.02	1.27	0.06					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.01	1.02	0.06					
CAROTID ENDARTERECTOMY	0.15	0.11	0.01	1.36	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.36	0.02	1.14	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.25	0.01	1.03	0.06					
PROSTATECTOMY	0.68	0.71	0.02	0.96	0.03					
CHOLECYSTECTOMY	0.40	0.40	0.02	1.01	0.04					
HYSTERECTOMY	0.18	0.16	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

RICHMOND-PETERSBURG, VA (6760)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	28,114	7.8	8.3	0.3	12.6	12.8	0.3	16.1	16.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	724	22.2	25.7	2.0	25.6	28.9	2.1	28.3	31.6	2.5
CONGESTIVE HEART FAILURE	1,236	11.6	14.2	1.4	19.9	22.6	1.6	26.7	28.7	1.7
PNEUMONIA/INFLUENZA	885	15.8	15.3	1.8	21.5	21.2	1.5	25.9	25.0	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	276	8.3	7.0	1.8	16.3	12.8	2.7	22.1	17.4	3.3
TRANSIENT CEREBRAL ISCHEMIA	548	0.5	1.5	0.6	1.1	3.4	1.1	2.0	5.5	1.7
STROKE	1,058	15.9	19.2	1.8	21.7	25.2	1.9	25.3	28.9	2.0
HIP FRACTURE	571	6.8	6.0	1.6	11.7	10.7	1.5	14.7	14.0	1.6
SEPSIS	334	24.3	25.5	3.4	33.8	33.1	4.2	40.4	37.7	4.9
PROCEDURES:										
ANGIOPLASTY	333	2.7	3.2	1.1	3.6	4.3	1.3	5.1	5.3	1.4
CORONARY ARTERY BYPASS GRAFT	481	5.2	6.2	2.1	7.5	9.1	2.1	9.1	10.3	2.0
INITIAL PACEMAKER INSERTION	224	4.9	3.6	1.7	8.0	6.8	2.0	9.4	9.6	2.0
CAROTID ENDARTERECTOMY	113	2.7	1.5	2.2	3.5	2.8	2.6	5.3	4.1	2.4
HIP REPLACEMENT/RECONSTRUCTION	463	3.9	3.0	1.2	6.7	5.7	1.4	8.0	7.8	1.6
OPEN REDUCTION OF HIP FRACTURE	215	7.0	5.4	3.6	13.5	9.9	4.2	17.2	13.1	4.3
PROSTATECTOMY	710	1.7	1.0	0.7	3.7	2.3	1.2	4.9	3.9	1.3
CHOLECYSTECTOMY	415	2.7	2.3	0.8	3.9	4.0	1.2	5.8	5.3	1.2
HYSTERECTOMY	227	0.4	0.6	0.6	2.2	1.4	1.9	2.2	2.2	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 112,698

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.14	29.01	0.16	1.14	0.01	4.85	4.79	0.06	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.80	0.03	1.03	0.03					
CONGESTIVE HEART FAILURE	1.81	1.90	0.04	0.95	0.02					
PNEUMONIA/INFLUENZA	1.10	1.13	0.03	0.97	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.50	0.02	0.86	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.59	0.41	0.02	1.42	0.07					
STROKE	1.14	1.01	0.03	1.13	0.03					
HIP FRACTURE	0.61	0.54	0.02	1.13	0.05					
SEPSIS	0.46	0.45	0.02	1.00	0.04					
PROCEDURES:										
ANGIOPLASTY	0.37	0.26	0.02	1.40	0.08					
CORONARY ARTERY BYPASS GRAFT	0.44	0.36	0.02	1.23	0.06					
INITIAL PACEMAKER INSERTION	0.26	0.20	0.01	1.22	0.08					
CAROTID ENDARTERECTOMY	0.11	0.10	0.01	1.03	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.38	0.02	1.08	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.27	0.02	0.87	0.05					
PROSTATECTOMY	0.70	0.69	0.02	1.03	0.04					
CHOLECYSTECTOMY	0.41	0.38	0.02	1.06	0.05					
HYSTERECTOMY	0.17	0.16	0.01	1.08	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

ROANOKE, VA (6800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,822	8.2	8.6	0.3	12.8	13.4	0.4	16.2	16.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	281	22.1	27.2	4.6	26.0	30.3	4.4	28.8	33.1	4.6
CONGESTIVE HEART FAILURE	501	14.6	14.1	1.6	23.2	22.5	2.0	29.7	28.6	2.8
PNEUMONIA/INFLUENZA	428	14.0	15.2	2.2	19.9	20.9	2.1	25.7	24.6	2.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	128	6.3	6.5	2.2	14.8	11.8	3.7	19.5	16.0	4.3
TRANSIENT CEREBRAL ISCHEMIA	152	1.3	1.6	1.1	3.3	3.6	1.6	5.3	5.8	2.0
STROKE	386	16.8	20.1	3.6	23.6	26.3	3.5	28.5	30.1	3.1
HIP FRACTURE	275	5.8	6.1	1.7	10.2	11.0	2.3	12.7	14.4	2.9
SEPSIS	120	22.5	25.0	4.7	28.3	32.3	5.5	33.3	37.0	5.0
PROCEDURES:										
ANGIOPLASTY	59	0.0	2.9	3.8	1.7	3.6	3.7	3.4	4.4	3.9
CORONARY ARTERY BYPASS GRAFT	174	4.6	5.6	3.0	6.9	8.4	3.7	6.9	9.6	3.7
INITIAL PACEMAKER INSERTION	69	1.4	3.4	2.5	4.3	6.7	3.4	7.2	9.7	4.5
CAROTID ENDARTERECTOMY	67	1.5	1.7	1.8	3.0	3.1	2.9	3.0	4.7	5.9
HIP REPLACEMENT/RECONSTRUCTION	214	1.9	3.2	2.2	3.3	6.0	3.3	5.1	8.1	3.6
OPEN REDUCTION OF HIP FRACTURE	133	9.8	5.8	3.1	17.3	10.8	4.4	18.8	14.4	4.5
PROSTATECTOMY	329	1.2	1.0	0.6	1.8	2.4	0.9	3.6	4.0	1.4
CHOLECYSTECTOMY	219	2.7	2.5	1.1	5.0	4.5	1.6	6.4	6.0	1.7
HYSTERECTOMY	93	1.1	0.8	1.1	1.1	1.8	1.5	3.2	2.7	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 39,789

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.16	30.74	0.28	0.98	0.01	4.89	4.86	0.11	1.00	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.96	0.05	0.94	0.05					
CONGESTIVE HEART FAILURE	1.79	1.94	0.07	0.92	0.03					
PNEUMONIA/INFLUENZA	1.26	1.49	0.06	0.85	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.63	0.04	0.76	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.40	0.45	0.03	0.89	0.07					
STROKE	1.03	1.01	0.05	1.02	0.05					
HIP FRACTURE	0.63	0.65	0.04	0.96	0.06					
SEPSIS	0.39	0.40	0.03	0.95	0.08					
PROCEDURES:										
ANGIOPLASTY	0.14	0.29	0.03	0.47	0.04					
CORONARY ARTERY BYPASS GRAFT	0.40	0.39	0.03	1.04	0.08					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.02	0.76	0.08					
CAROTID ENDARTERECTOMY	0.14	0.13	0.02	1.11	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.45	0.03	1.09	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.31	0.03	0.99	0.09					
PROSTATECTOMY	0.67	0.71	0.04	0.95	0.06					
CHOLECYSTECTOMY	0.53	0.48	0.03	1.11	0.08					
HYSTERECTOMY	0.19	0.18	0.02	1.04	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON, DC-MD-VA (8840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	57,343	8.4	8.8	0.1	13.6	13.6	0.2	17.2	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,302	22.5	25.2	1.4	27.7	28.2	1.5	31.0	30.9	1.7
CONGESTIVE HEART FAILURE	2,816	12.4	14.2	1.0	20.3	22.6	1.1	26.9	28.7	1.0
PNEUMONIA/INFLUENZA	2,124	15.1	16.0	1.0	22.2	21.9	0.9	26.3	25.8	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	788	10.0	9.1	1.3	17.9	15.7	2.1	23.6	20.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	765	1.7	1.8	1.0	2.6	4.0	1.0	4.3	6.4	1.4
STROKE	2,152	19.3	20.1	1.5	25.7	26.5	1.2	29.6	30.2	1.3
HIP FRACTURE	1,413	5.8	6.4	1.0	10.7	11.5	1.4	14.0	14.9	1.6
SEPSIS	744	26.1	26.2	1.7	36.8	34.5	2.2	41.9	39.2	2.3
PROCEDURES:										
ANGIOPLASTY	569	3.0	2.6	0.7	3.9	3.6	0.9	6.5	4.6	1.3
CORONARY ARTERY BYPASS GRAFT	673	5.5	5.1	0.9	7.7	7.4	1.4	8.3	8.5	1.3
INITIAL PACEMAKER INSERTION	345	3.8	3.1	1.1	7.5	6.1	1.8	10.7	8.8	2.2
CAROTID ENDARTERECTOMY	156	1.9	1.2	1.8	3.2	2.3	2.0	4.5	3.4	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,105	1.9	3.1	0.8	4.4	5.7	1.1	6.2	7.7	1.1
OPEN REDUCTION OF HIP FRACTURE	675	6.2	5.9	1.2	11.3	11.0	1.3	14.2	14.6	1.5
PROSTATECTOMY	1,712	0.8	1.0	0.5	2.9	2.3	0.6	4.3	3.8	0.6
CHOLECYSTECTOMY	802	3.6	2.7	1.2	5.5	4.9	1.4	7.2	6.4	1.4
HYSTERECTOMY	439	1.4	0.6	1.2	1.4	1.5	0.9	2.3	2.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 350,190

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.14	25.43	0.08	1.07	0.00	4.54	4.61	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.63	0.69	0.01	0.91	0.02					
CONGESTIVE HEART FAILURE	1.68	1.60	0.02	1.05	0.01					
PNEUMONIA/INFLUENZA	1.02	0.90	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.36	0.01	1.18	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.34	0.01	0.98	0.03					
STROKE	0.90	0.90	0.02	**	**					
HIP FRACTURE	0.55	0.53	0.01	1.04	0.02					
SEPSIS	0.39	0.41	0.01	0.96	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.23	0.01	1.19	0.04					
CORONARY ARTERY BYPASS GRAFT	0.30	0.32	0.01	0.96	0.03					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.76	0.03					
CAROTID ENDARTERECTOMY	0.08	0.07	0.00	1.10	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.37	0.01	1.08	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.27	0.01	0.98	0.03					
PROSTATECTOMY	0.66	0.67	0.01	0.99	0.02					
CHOLECYSTECTOMY	0.31	0.30	0.01	1.05	0.03					
HYSTERECTOMY	0.15	0.15	0.01	1.03	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

VA-(NONMSA) (99VA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	42,458	9.2	9.0	0.2	13.9	13.6	0.2	17.1	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,465	27.7	26.4	1.9	31.7	29.4	2.1	34.3	32.2	2.0
CONGESTIVE HEART FAILURE	2,302	12.8	14.5	1.0	21.1	22.9	1.0	26.9	29.0	1.2
PNEUMONIA/INFLUENZA	2,627	13.3	14.8	1.2	19.3	20.4	1.4	23.3	24.2	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	895	5.0	6.4	1.1	9.2	11.7	1.6	13.7	16.0	1.8
TRANSIENT CEREBRAL ISCHEMIA	644	1.1	1.8	0.9	3.7	4.2	1.5	5.1	6.8	1.8
STROKE	1,711	20.9	19.3	1.2	28.3	25.8	1.5	32.2	29.7	1.5
HIP FRACTURE	1,061	6.0	6.1	0.8	10.5	10.7	1.5	13.1	14.0	1.7
SEPSIS	512	25.4	23.8	2.1	32.2	31.0	2.8	36.5	35.5	3.2
PROCEDURES:										
ANGIOPLASTY	53	5.7	4.1	3.0	5.7	4.9	3.1	5.7	5.7	3.3
CORONARY ARTERY BYPASS GRAFT	89	12.4	5.5	5.2	13.5	7.7	5.2	13.5	8.7	5.3
INITIAL PACEMAKER INSERTION	221	5.0	3.7	1.5	9.0	7.0	2.0	10.9	10.1	2.2
CAROTID ENDARTERECTOMY	74	1.4	1.3	1.5	1.4	2.4	2.0	2.7	3.4	2.7
HIP REPLACEMENT/RECONSTRUCTION	618	4.0	3.2	1.0	6.6	6.1	1.1	8.4	8.3	1.1
OPEN REDUCTION OF HIP FRACTURE	537	5.6	5.6	1.0	9.9	10.3	1.6	12.5	13.7	2.0
PROSTATECTOMY	1,022	0.4	0.9	0.7	2.6	2.2	0.5	5.0	3.8	0.8
CHOLECYSTECTOMY	835	3.0	2.5	1.3	4.4	4.6	1.4	5.6	6.1	1.4
HYSTERECTOMY	279	0.0	0.4	0.5	0.7	0.9	0.6	1.4	1.4	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 280,899

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.55	30.41	0.10	1.07	0.00	4.56	4.67	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.08	0.92	0.02	1.19	0.02					
CONGESTIVE HEART FAILURE	1.93	1.87	0.03	1.05	0.01					
PNEUMONIA/INFLUENZA	1.64	1.46	0.02	1.13	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.66	0.02	1.12	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.43	0.42	0.01	1.00	0.03					
STROKE	1.07	0.99	0.02	1.08	0.02					
HIP FRACTURE	0.59	0.55	0.01	1.11	0.03					
SEPSIS	0.37	0.40	0.01	0.93	0.03					
PROCEDURES:										
ANGIOPLASTY	0.20	0.29	0.01	0.75	0.03					
CORONARY ARTERY BYPASS GRAFT	0.37	0.40	0.01	0.93	0.03					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.94	0.05					
CAROTID ENDARTERECTOMY	0.11	0.13	0.01	0.83	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.40	0.01	1.07	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.01	1.04	0.04					
PROSTATECTOMY	0.62	0.75	0.02	0.85	0.02					
CHOLECYSTECTOMY	0.49	0.49	0.01	1.03	0.03					
HYSTERECTOMY	0.19	0.17	0.01	1.11	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

BURLINGTON, VT (1303)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	3,628	8.9	8.5	0.6	13.9	13.0	0.9	17.3	16.3	1.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	119	19.3	24.1	6.1	21.8	27.4	6.1	26.1	30.1	6.6
CONGESTIVE HEART FAILURE	135	12.6	14.1	4.0	21.5	22.1	5.6	25.2	27.9	6.8
PNEUMONIA/INFLUENZA	109	14.7	15.1	3.5	19.3	20.7	4.4	24.8	24.6	4.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	37	10.8	10.5	*	21.6	18.2	*	32.4	23.4	*
TRANSIENT CEREBRAL ISCHEMIA	28	3.6	1.6	*	7.1	3.7	*	10.7	6.0	*
STROKE	83	19.3	21.9	5.0	28.9	28.6	5.3	36.1	32.5	5.8
HIP FRACTURE	79	7.6	6.7	3.4	11.4	12.0	5.1	15.2	15.5	5.3
SEPSIS	30	30.0	21.8	*	33.3	29.5	*	40.0	34.3	*
PROCEDURES:										
ANGIOPLASTY	89	1.1	2.1	2.1	3.4	2.9	3.1	3.4	3.8	3.1
CORONARY ARTERY BYPASS GRAFT	197	6.6	5.5	2.0	9.1	7.9	2.3	11.2	8.9	2.9
INITIAL PACEMAKER INSERTION	31	0.0	2.8	*	0.0	5.4	*	3.2	7.8	*
CAROTID ENDARTERECTOMY	22	0.0	1.1	*	0.0	2.1	*	0.0	3.2	*
HIP REPLACEMENT/RECONSTRUCTION	93	4.3	2.9	2.1	5.4	5.5	2.4	7.5	7.6	2.9
OPEN REDUCTION OF HIP FRACTURE	13	7.7	7.0	*	15.4	13.5	*	15.4	17.9	*
PROSTATECTOMY	89	1.1	1.2	1.2	2.2	2.6	1.7	3.4	4.1	2.5
CHOLECYSTECTOMY	52	3.8	3.4	2.5	9.6	5.9	3.9	11.5	7.6	4.7
HYSTERECTOMY	40	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 13,642

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	23.10	26.36	0.44	0.88	0.01	4.56	4.67	0.18	0.98	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.91	0.83	0.08	1.10	0.10					
CONGESTIVE HEART FAILURE	1.22	1.57	0.11	0.77	0.05					
PNEUMONIA/INFLUENZA	1.06	1.17	0.09	0.90	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.48	0.06	0.87	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.35	0.05	0.48	0.07					
STROKE	0.65	0.83	0.08	0.81	0.08					
HIP FRACTURE	0.59	0.64	0.07	0.94	0.10					
SEPSIS	0.33	0.34	0.05	0.96	0.14					
PROCEDURES:										
ANGIOPLASTY	0.29	0.27	0.04	1.09	0.18					
CORONARY ARTERY BYPASS GRAFT	0.48	0.36	0.05	1.41	0.21					
INITIAL PACEMAKER INSERTION	0.12	0.19	0.04	0.62	0.13					
CAROTID ENDARTERECTOMY	0.07	0.11	0.03	0.66	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.45	0.06	0.91	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.16	0.31	0.05	0.51	0.08					
PROSTATECTOMY	0.49	0.66	0.07	0.74	0.08					
CHOLECYSTECTOMY	0.32	0.38	0.05	0.87	0.12					
HYSTERECTOMY	0.24	0.17	0.03	1.53	0.33					

** QUANTITIES COULD NOT BE ESTIMATED

VT-(NONMSA) (99VT)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,444	9.0	9.0	0.3	13.5	13.6	0.4	17.1	17.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	381	19.7	26.4	3.3	23.4	29.4	3.7	26.8	32.2	3.5
CONGESTIVE HEART FAILURE	530	14.3	14.0	1.5	22.6	22.1	1.9	27.7	28.3	2.2
PNEUMONIA/INFLUENZA	689	12.8	15.1	2.0	19.4	21.0	1.8	25.1	25.0	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	217	5.1	7.4	3.0	11.1	13.2	3.5	16.1	17.7	3.4
TRANSIENT CEREBRAL ISCHEMIA	119	2.5	1.9	1.4	5.0	4.4	2.1	6.7	7.4	2.5
STROKE	384	19.5	19.1	2.3	26.0	25.5	2.3	28.1	29.4	2.6
HIP FRACTURE	324	8.0	6.4	1.6	11.4	11.5	1.8	14.2	15.2	2.1
SEPSIS	105	14.3	22.1	5.7	21.0	29.0	7.1	25.7	33.3	7.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	42	2.4	3.0	*	2.4	5.8	*	4.8	8.3	*
CAROTID ENDARTERECTOMY	15	0.0	1.6	*	6.7	2.9	*	6.7	4.1	*
HIP REPLACEMENT/RECONSTRUCTION	192	2.6	3.2	1.4	5.2	5.8	2.3	5.7	7.9	3.0
OPEN REDUCTION OF HIP FRACTURE	129	13.2	6.2	3.0	15.5	11.5	3.5	20.2	15.5	3.7
PROSTATECTOMY	307	0.7	1.0	0.7	2.0	2.3	0.9	3.9	4.0	1.1
CHOLECYSTECTOMY	199	2.0	2.4	1.2	3.5	4.2	1.5	5.5	5.6	1.6
HYSTERECTOMY	89	0.0	0.4	*	1.1	1.0	*	1.1	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 65,056

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.28	27.85	0.21	0.94	0.01	4.69	4.71	0.08	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.91	0.04	1.03	0.05					
CONGESTIVE HEART FAILURE	1.54	1.63	0.05	0.96	0.03					
PNEUMONIA/INFLUENZA	1.57	1.37	0.05	1.16	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.52	0.03	1.12	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.36	0.02	0.68	0.05					
STROKE	0.85	0.88	0.04	0.96	0.04					
HIP FRACTURE	0.65	0.64	0.03	0.97	0.05					
SEPSIS	0.25	0.33	0.02	0.79	0.06					
PROCEDURES:										
ANGIOPLASTY	0.21	0.27	0.02	0.80	0.07					
CORONARY ARTERY BYPASS GRAFT	0.31	0.38	0.02	0.78	0.06					
INITIAL PACEMAKER INSERTION	0.15	0.19	0.02	1.10	0.13					
CAROTID ENDARTERECTOMY	0.07	0.11	0.01	0.78	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.47	0.48	0.03	1.00	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.30	0.02	0.76	0.07					
PROSTATECTOMY	0.69	0.75	0.03	0.91	0.05					
CHOLECYSTECTOMY	0.42	0.46	0.03	0.90	0.06					
HYSTERECTOMY	0.22	0.18	0.02	1.18	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

BELLINGHAM, WA (0860)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,598	9.2	8.8	0.7	13.0	13.0	0.7	16.0	16.2	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	139	16.5	26.8	4.8	18.7	29.6	5.0	21.6	32.3	5.0
CONGESTIVE HEART FAILURE	110	14.5	15.1	4.5	30.9	23.9	5.2	38.2	30.3	6.5
PNEUMONIA/INFLUENZA	151	11.9	13.9	3.6	16.6	19.4	4.3	21.2	23.3	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	45	4.4	6.8	*	8.9	12.0	*	15.6	16.1	*
TRANSIENT CEREBRAL ISCHEMIA	15	13.3	2.3	*	20.0	4.9	*	20.0	7.7	*
STROKE	95	20.0	21.3	4.6	25.3	27.6	5.3	26.3	31.5	6.9
HIP FRACTURE	94	13.8	6.0	4.1	17.0	10.9	4.6	19.1	14.4	4.4
SEPSIS	25	12.0	22.0	*	16.0	28.4	*	16.0	32.7	*
PROCEDURES:										
ANGIOPLASTY	1	0.0	3.3	*	0.0	4.4	*	0.0	5.5	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	27	3.7	2.5	*	3.7	4.8	*	3.7	7.2	*
CAROTID ENDARTERECTOMY	19	0.0	1.2	*	0.0	2.5	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	90	3.3	2.1	2.0	4.4	4.1	3.2	5.6	5.7	3.7
OPEN REDUCTION OF HIP FRACTURE	52	13.5	5.5	5.0	15.4	10.3	4.9	15.4	13.9	4.9
PROSTATECTOMY	172	0.0	0.8	1.0	0.6	2.0	1.6	0.6	3.4	2.8
CHOLECYSTECTOMY	50	2.0	1.8	*	6.0	3.3	*	6.0	4.3	*
HYSTERECTOMY	24	0.0	0.7	*	0.0	1.5	*	0.0	2.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,870

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.86	26.98	0.39	0.81	0.01	4.38	4.62	0.16	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.91	0.07	1.15	0.09					
CONGESTIVE HEART FAILURE	1.08	1.58	0.09	0.69	0.04					
PNEUMONIA/INFLUENZA	1.17	1.33	0.09	0.89	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.52	0.05	0.87	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.12	0.35	0.04	0.36	0.05					
STROKE	0.70	0.88	0.07	0.79	0.06					
HIP FRACTURE	0.67	0.63	0.06	1.04	0.10					
SEPSIS	0.22	0.34	0.04	0.62	0.08					
PROCEDURES:										
ANGIOPLASTY	0.17	0.30	0.04	0.57	0.08					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.05	1.06	0.13					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.03	**	**					
CAROTID ENDARTERECTOMY	0.12	0.13	0.03	0.86	0.20					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.49	0.05	1.28	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.30	0.04	1.15	0.16					
PROSTATECTOMY	1.16	0.80	0.07	1.44	0.12					
CHOLECYSTECTOMY	0.34	0.46	0.05	0.75	0.09					
HYSTERECTOMY	0.16	0.19	0.03	0.91	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

BREMERTON, WA (1150)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,091	8.7	8.3	0.6	13.8	12.9	0.8	17.1	16.4	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	104	18.3	23.5	9.0	19.2	26.1	9.1	23.1	28.7	8.8
CONGESTIVE HEART FAILURE	109	10.1	14.3	4.1	22.9	22.8	4.4	31.2	28.8	5.7
PNEUMONIA/INFLUENZA	138	13.8	14.7	3.1	17.4	20.5	4.0	21.0	24.6	4.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	4.2	6.1	3.3	12.5	10.9	3.9	19.4	14.8	5.7
TRANSIENT CEREBRAL ISCHEMIA	33	0.0	1.9	*	0.0	4.3	*	0.0	7.0	*
STROKE	93	20.4	16.7	4.5	23.7	23.4	4.4	23.7	27.2	5.0
HIP FRACTURE	101	9.9	6.1	3.7	15.8	11.3	4.0	15.8	15.1	5.6
SEPSIS	33	12.1	21.6	*	21.2	27.7	*	21.2	31.9	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	15	13.3	3.9	*	13.3	7.5	*	13.3	10.6	*
CAROTID ENDARTERECTOMY	38	5.3	0.9	*	7.9	1.8	*	7.9	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	99	3.0	3.1	2.6	7.1	6.1	3.3	7.1	8.5	4.3
OPEN REDUCTION OF HIP FRACTURE	48	10.4	5.7	*	14.6	10.8	*	14.6	14.7	*
PROSTATECTOMY	144	2.1	1.0	1.6	2.8	2.3	1.7	4.2	3.8	2.1
CHOLECYSTECTOMY	50	2.0	2.4	*	2.0	3.9	*	2.0	4.9	*
HYSTERECTOMY	41	2.4	0.5	*	2.4	1.1	*	2.4	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,761

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.26	26.49	0.35	0.88	0.01	4.54	4.48	0.14	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.88	0.06	0.89	0.06					
CONGESTIVE HEART FAILURE	0.94	1.56	0.08	0.60	0.03					
PNEUMONIA/INFLUENZA	0.86	1.22	0.07	0.70	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.45	0.50	0.05	0.92	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.35	0.04	0.69	0.08					
STROKE	0.68	0.86	0.06	0.79	0.06					
HIP FRACTURE	0.64	0.59	0.05	1.06	0.10					
SEPSIS	0.27	0.34	0.04	0.79	0.10					
PROCEDURES:										
ANGIOPLASTY	0.13	0.30	0.04	0.49	0.06					
CORONARY ARTERY BYPASS GRAFT	0.34	0.40	0.04	0.82	0.09					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.03	0.64	0.10					
CAROTID ENDARTERECTOMY	0.22	0.12	0.02	1.90	0.40					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.46	0.05	1.36	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.04	0.92	0.12					
PROSTATECTOMY	0.78	0.77	0.06	1.02	0.08					
CHOLECYSTECTOMY	0.38	0.44	0.04	0.85	0.09					
HYSTERECTOMY	0.21	0.18	0.03	1.14	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

OLYMPIA, WA (5910)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,183	8.3	8.0	0.5	13.0	12.4	0.7	16.0	15.6	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	151	18.5	21.6	4.2	20.5	24.5	4.8	23.8	27.1	5.8
CONGESTIVE HEART FAILURE	150	14.7	13.6	2.9	26.0	21.7	4.6	32.7	27.9	4.2
PNEUMONIA/INFLUENZA	150	16.0	14.5	3.8	24.0	20.0	4.7	26.0	23.8	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	64	10.9	8.8	6.7	17.2	15.3	6.0	17.2	20.1	7.2
TRANSIENT CEREBRAL ISCHEMIA	41	2.4	1.6	*	9.8	3.4	*	9.8	5.3	*
STROKE	176	18.2	21.2	4.7	25.6	27.0	5.2	30.1	30.8	4.9
HIP FRACTURE	124	7.3	6.9	2.4	12.9	12.3	3.0	16.9	16.1	3.9
SEPSIS	25	36.0	25.5	*	48.0	34.0	*	52.0	38.6	*
PROCEDURES:										
ANGIOPLASTY	17	17.6	8.6	*	29.4	10.3	*	29.4	11.7	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	33	0.0	1.9	*	3.0	4.1	*	9.1	6.4	*
CAROTID ENDARTERECTOMY	39	2.6	1.7	*	2.6	3.2	*	2.6	4.6	*
HIP REPLACEMENT/RECONSTRUCTION	110	1.8	2.9	2.4	3.6	5.3	3.5	4.5	7.1	3.8
OPEN REDUCTION OF HIP FRACTURE	60	5.0	5.5	3.0	11.7	9.9	4.1	15.0	13.2	5.1
PROSTATECTOMY	183	0.0	0.9	1.1	1.6	2.0	1.1	3.8	3.4	1.5
CHOLECYSTECTOMY	124	1.6	2.2	1.9	1.6	4.1	2.9	2.4	5.6	3.6
HYSTERECTOMY	45	0.0	0.4	*	2.2	1.0	*	4.4	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,404

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.44	26.67	0.35	0.88	0.01	4.06	4.44	0.14	0.91	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.89	0.06	1.03	0.07					
CONGESTIVE HEART FAILURE	1.17	1.57	0.09	0.74	0.04					
PNEUMONIA/INFLUENZA	0.99	1.24	0.08	0.80	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.53	0.05	0.89	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.35	0.04	0.53	0.06					
STROKE	0.78	0.86	0.06	0.90	0.07					
HIP FRACTURE	0.63	0.59	0.05	1.07	0.10					
SEPSIS	0.15	0.34	0.04	0.45	0.05					
PROCEDURES:										
ANGIOPLASTY	0.46	0.31	0.04	1.51	0.19					
CORONARY ARTERY BYPASS GRAFT	0.38	0.41	0.04	0.93	0.10					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.03	0.95	0.15					
CAROTID ENDARTERECTOMY	0.10	0.13	0.03	0.92	0.18					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.46	0.05	1.15	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.28	0.04	1.10	0.14					
PROSTATECTOMY	0.86	0.77	0.06	1.14	0.09					
CHOLECYSTECTOMY	0.52	0.45	0.05	1.14	0.12					
HYSTERECTOMY	0.19	0.18	0.03	1.06	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

RICHLAND-KENNEWICK, WA (6740)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,252	10.1	9.2	0.9	15.3	13.5	1.0	19.3	16.9	1.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	84	21.4	27.6	9.5	26.2	30.8	10.1	28.6	33.7	10.1
CONGESTIVE HEART FAILURE	113	11.5	14.4	4.5	22.1	22.2	8.4	24.8	28.4	7.5
PNEUMONIA/INFLUENZA	83	12.0	12.0	4.4	19.3	16.3	4.4	19.3	19.5	4.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	45	20.0	7.0	*	20.0	12.4	*	26.7	16.5	*
TRANSIENT CEREBRAL ISCHEMIA	31	0.0	1.6	*	6.5	3.6	*	12.9	5.9	*
STROKE	105	22.9	22.8	4.1	29.5	28.4	5.4	34.3	32.1	5.5
HIP FRACTURE	65	4.6	6.5	3.8	7.7	11.4	6.0	9.2	15.0	7.8
SEPSIS	25	28.0	26.8	*	40.0	33.5	*	44.0	38.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	21	4.8	2.4	*	4.8	5.0	*	4.8	7.7	*
CAROTID ENDARTERECTOMY	17	0.0	1.1	*	0.0	2.2	*	5.9	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	58	1.7	3.7	3.0	5.2	6.7	3.8	5.2	8.9	4.9
OPEN REDUCTION OF HIP FRACTURE	26	3.8	5.7	*	3.8	10.5	*	7.7	13.8	*
PROSTATECTOMY	98	2.0	0.7	1.3	2.0	1.8	1.7	4.1	3.1	1.9
CHOLECYSTECTOMY	64	0.0	1.3	1.9	1.6	2.5	2.1	1.6	3.5	2.9
HYSTERECTOMY	36	0.0	0.6	*	0.0	1.3	*	2.8	2.0	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,088

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.08	26.14	0.39	0.88	0.01	4.18	4.23	0.16	0.98	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.87	0.07	1.15	0.09					
CONGESTIVE HEART FAILURE	1.22	1.52	0.09	0.80	0.05					
PNEUMONIA/INFLUENZA	0.80	1.17	0.08	0.69	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.38	0.53	0.06	0.75	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.35	0.04	0.70	0.09					
STROKE	0.81	0.84	0.07	0.96	0.08					
HIP FRACTURE	0.61	0.53	0.06	1.14	0.12					
SEPSIS	0.28	0.33	0.04	0.82	0.11					
PROCEDURES:										
ANGIOPLASTY	0.32	0.33	0.04	1.07	0.15					
CORONARY ARTERY BYPASS GRAFT	0.63	0.43	0.05	1.42	0.17					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.03	0.93	0.17					
CAROTID ENDARTERECTOMY	0.19	0.14	0.03	1.37	0.29					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.43	0.05	1.23	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.26	0.04	0.90	0.14					
PROSTATECTOMY	0.75	0.80	0.07	0.93	0.08					
CHOLECYSTECTOMY	0.51	0.45	0.05	1.14	0.13					
HYSTERECTOMY	0.27	0.18	0.03	1.65	0.31					

** QUANTITIES COULD NOT BE ESTIMATED

SEATTLE, WA (7600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	40,764	8.8	8.4	0.2	13.2	12.8	0.2	16.4	16.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,239	23.1	24.9	2.6	26.6	27.9	2.9	29.4	30.7	2.7
CONGESTIVE HEART FAILURE	1,698	14.8	14.3	1.1	22.9	22.5	1.1	28.7	28.7	1.2
PNEUMONIA/INFLUENZA	1,564	14.5	14.3	0.9	20.8	19.9	1.3	24.7	23.7	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	585	10.6	8.4	2.0	16.6	14.5	2.2	20.3	19.1	2.4
TRANSIENT CEREBRAL ISCHEMIA	407	1.7	1.5	0.7	3.2	3.5	0.9	4.4	5.7	1.6
STROKE	1,512	19.9	20.0	1.1	26.2	26.3	1.2	29.8	30.1	1.6
HIP FRACTURE	1,153	6.5	6.4	0.8	10.9	11.6	1.0	14.6	15.2	1.1
SEPSIS	356	24.2	21.7	3.4	32.0	29.0	3.3	36.0	33.6	3.6
PROCEDURES:										
ANGIOPLASTY	575	3.8	3.5	0.9	4.5	4.5	1.1	5.6	5.4	1.3
CORONARY ARTERY BYPASS GRAFT	824	5.5	5.4	0.8	7.6	7.7	1.1	8.6	8.8	1.3
INITIAL PACEMAKER INSERTION	271	3.3	2.8	1.1	6.6	5.6	2.1	7.7	8.1	2.3
CAROTID ENDARTERECTOMY	347	0.3	1.4	1.1	0.6	2.6	1.8	2.0	3.9	1.6
HIP REPLACEMENT/RECONSTRUCTION	1,240	2.9	2.3	0.5	5.3	4.3	0.8	7.0	6.0	0.9
OPEN REDUCTION OF HIP FRACTURE	519	6.6	6.1	1.7	11.2	11.2	1.5	14.6	14.9	1.6
PROSTATECTOMY	1,619	0.7	0.7	0.3	1.2	1.6	0.5	2.0	2.8	0.7
CHOLECYSTECTOMY	726	1.9	2.4	0.9	2.9	4.5	1.3	4.7	6.1	1.5
HYSTERECTOMY	438	0.7	0.6	0.6	0.9	1.5	0.7	1.4	2.4	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 231,870

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.33	25.94	0.11	0.90	0.00	4.44	4.57	0.04	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.83	0.02	0.90	0.02					
CONGESTIVE HEART FAILURE	1.27	1.55	0.03	0.82	0.01					
PNEUMONIA/INFLUENZA	0.94	1.13	0.02	0.83	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.46	0.01	0.94	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.33	0.01	0.68	0.02					
STROKE	0.83	0.85	0.02	0.97	0.02					
HIP FRACTURE	0.63	0.60	0.02	1.05	0.03					
SEPSIS	0.24	0.35	0.01	0.67	0.02					
PROCEDURES:										
ANGIOPLASTY	0.33	0.30	0.01	1.10	0.04					
CORONARY ARTERY BYPASS GRAFT	0.36	0.38	0.01	0.95	0.03					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.01	0.69	0.03					
CAROTID ENDARTERECTOMY	0.17	0.12	0.01	1.39	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.56	0.45	0.01	1.23	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.30	0.01	0.97	0.04					
PROSTATECTOMY	0.78	0.73	0.02	1.06	0.03					
CHOLECYSTECTOMY	0.35	0.40	0.01	0.88	0.03					
HYSTERECTOMY	0.18	0.17	0.01	1.04	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

SPOKANE, WA (7840)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	11,908	8.0	7.9	0.3	12.0	12.1	0.3	15.2	15.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	484	18.0	21.9	2.5	21.3	24.9	2.4	23.6	27.4	2.6
CONGESTIVE HEART FAILURE	486	13.8	13.9	1.6	22.2	22.0	1.9	31.1	28.1	3.0
PNEUMONIA/INFLUENZA	524	12.0	13.9	1.7	17.0	19.5	1.9	22.9	23.2	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	235	10.2	7.7	3.0	18.3	13.3	4.4	21.7	17.5	4.7
TRANSIENT CEREBRAL ISCHEMIA	89	4.5	1.6	2.1	5.6	3.6	2.5	6.7	5.9	3.3
STROKE	392	19.9	18.4	2.5	26.0	25.0	2.4	29.6	28.8	2.4
HIP FRACTURE	337	3.6	6.2	2.1	11.6	11.1	2.2	14.8	14.5	2.0
SEPSIS	108	22.2	20.7	4.7	28.7	27.9	4.5	34.3	32.5	4.7
PROCEDURES:										
ANGIOPLASTY	310	1.0	2.6	1.1	1.0	3.4	1.3	1.3	4.2	1.6
CORONARY ARTERY BYPASS GRAFT	519	3.7	4.9	1.1	6.0	7.0	1.4	6.2	7.8	1.5
INITIAL PACEMAKER INSERTION	120	0.0	2.5	2.3	3.3	4.9	2.7	5.8	7.2	3.3
CAROTID ENDARTERECTOMY	118	1.7	1.3	1.1	1.7	2.5	1.6	3.4	3.7	1.9
HIP REPLACEMENT/RECONSTRUCTION	358	2.0	2.7	1.0	5.3	4.9	1.2	6.7	6.6	1.4
OPEN REDUCTION OF HIP FRACTURE	111	2.7	5.6	3.7	10.8	10.3	2.9	14.4	13.7	3.6
PROSTATECTOMY	547	0.4	0.7	0.5	1.6	1.6	0.5	2.9	2.8	0.7
CHOLECYSTECTOMY	238	1.7	2.2	1.1	3.4	4.1	1.4	4.2	5.5	1.8
HYSTERECTOMY	125	0.0	0.4	0.6	0.8	0.9	0.8	1.6	1.4	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 55,180

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.32	28.11	0.23	0.83	0.01	4.30	4.72	0.09	0.91	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.92	0.04	0.83	0.04					
CONGESTIVE HEART FAILURE	1.19	1.68	0.05	0.71	0.02					
PNEUMONIA/INFLUENZA	1.18	1.41	0.05	0.84	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.64	0.57	0.03	1.11	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.37	0.03	0.46	0.03					
STROKE	0.82	0.90	0.04	0.91	0.04					
HIP FRACTURE	0.61	0.64	0.03	0.95	0.05					
SEPSIS	0.23	0.35	0.02	0.65	0.05					
PROCEDURES:										
ANGIOPLASTY	0.32	0.30	0.02	1.07	0.08					
CORONARY ARTERY BYPASS GRAFT	0.49	0.38	0.03	1.28	0.09					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.86	0.08					
CAROTID ENDARTERECTOMY	0.20	0.14	0.02	1.42	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.60	0.47	0.03	1.26	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.31	0.02	0.69	0.05					
PROSTATECTOMY	0.84	0.74	0.04	1.14	0.06					
CHOLECYSTECTOMY	0.45	0.47	0.03	0.96	0.06					
HYSTERECTOMY	0.19	0.18	0.02	1.06	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

TACOMA, WA (8200)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	10,205	10.1	8.7	0.3	14.6	13.3	0.4	18.1	16.7	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	332	27.7	24.2	3.3	29.5	27.2	3.6	32.2	30.0	3.8
CONGESTIVE HEART FAILURE	497	18.3	13.4	2.4	25.8	21.2	2.5	31.4	27.2	2.5
PNEUMONIA/INFLUENZA	424	14.4	14.9	1.7	22.6	20.6	2.1	29.2	24.5	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	214	15.9	8.7	3.0	24.3	15.1	3.8	31.3	19.9	4.7
TRANSIENT CEREBRAL ISCHEMIA	98	0.0	2.0	2.6	2.0	4.5	4.3	7.1	7.2	4.1
STROKE	453	17.2	18.6	2.2	22.7	24.3	3.0	26.5	28.0	2.8
HIP FRACTURE	362	6.4	6.5	1.3	9.4	11.7	1.9	13.8	15.3	2.0
SEPSIS	96	19.8	20.6	5.8	27.1	28.2	6.4	29.2	32.8	7.3
PROCEDURES:										
ANGIOPLASTY	160	1.2	1.8	1.1	1.9	2.6	1.5	2.5	3.4	2.0
CORONARY ARTERY BYPASS GRAFT	253	7.5	5.2	2.3	9.1	7.5	2.6	10.3	8.5	2.4
INITIAL PACEMAKER INSERTION	62	4.8	3.5	3.9	9.7	6.6	4.3	9.7	9.2	3.8
CAROTID ENDARTERECTOMY	79	3.8	1.3	1.9	5.1	2.4	2.5	6.3	3.6	2.5
HIP REPLACEMENT/RECONSTRUCTION	301	3.3	3.1	1.2	5.0	5.9	1.8	6.6	8.0	1.9
OPEN REDUCTION OF HIP FRACTURE	148	6.1	6.4	2.0	10.1	11.8	3.0	15.5	15.5	3.3
PROSTATECTOMY	397	0.5	0.9	0.6	2.3	2.1	1.1	3.3	3.6	1.3
CHOLECYSTECTOMY	250	2.0	2.5	1.1	3.6	4.6	1.7	4.8	6.1	2.1
HYSTERECTOMY	148	0.0	0.5	0.7	0.0	1.2	1.4	1.4	2.0	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 68,032

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	22.22	27.72	0.20	0.80	0.01	4.59	4.59	0.08	**	**
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.88	0.04	0.86	0.03					
CONGESTIVE HEART FAILURE	1.19	1.67	0.05	0.72	0.02					
PNEUMONIA/INFLUENZA	0.96	1.31	0.04	0.73	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.57	0.03	0.96	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.18	0.36	0.02	0.50	0.03					
STROKE	0.83	0.88	0.04	0.95	0.04					
HIP FRACTURE	0.62	0.59	0.03	1.05	0.05					
SEPSIS	0.22	0.36	0.02	0.62	0.04					
PROCEDURES:										
ANGIOPLASTY	0.21	0.32	0.02	0.65	0.04					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.02	1.03	0.06					
INITIAL PACEMAKER INSERTION	0.13	0.19	0.02	0.65	0.06					
CAROTID ENDARTERECTOMY	0.17	0.15	0.01	1.14	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.57	0.44	0.03	1.28	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.29	0.02	0.81	0.06					
PROSTATECTOMY	0.71	0.74	0.03	1.05	0.05					
CHOLECYSTECTOMY	0.45	0.46	0.03	0.98	0.06					
HYSTERECTOMY	0.25	0.18	0.02	1.42	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

VANCOUVER, WA (8725)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,021	10.0	9.1	0.6	14.8	13.7	0.7	18.1	17.0	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	156	19.9	25.1	6.7	25.0	28.0	6.7	28.2	30.7	6.2
CONGESTIVE HEART FAILURE	148	20.3	14.0	4.2	25.0	21.8	3.8	27.0	27.6	4.6
PNEUMONIA/INFLUENZA	110	8.2	13.1	4.1	16.4	18.6	4.0	22.7	22.4	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	36	11.1	7.8	*	22.2	13.6	*	36.1	18.1	*
TRANSIENT CEREBRAL ISCHEMIA	50	8.0	1.5	*	8.0	3.2	*	12.0	5.0	*
STROKE	144	18.7	17.7	3.6	22.9	24.1	3.7	25.0	27.7	4.5
HIP FRACTURE	121	7.4	7.1	2.4	14.9	12.5	3.5	25.6	16.3	4.4
SEPSIS	21	14.3	19.3	*	14.3	25.4	*	23.8	29.6	*
PROCEDURES:										
ANGIOPLASTY	10	10.0	10.7	*	10.0	11.6	*	10.0	12.7	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	14	0.0	2.7	*	0.0	5.6	*	0.0	8.4	*
CAROTID ENDARTERECTOMY	25	0.0	1.5	*	0.0	2.6	*	0.0	3.9	*
HIP REPLACEMENT/RECONSTRUCTION	85	4.7	3.5	2.1	8.2	6.3	3.1	11.8	8.5	4.3
OPEN REDUCTION OF HIP FRACTURE	44	6.8	7.2	*	15.9	12.9	*	27.3	16.9	*
PROSTATECTOMY	132	0.0	0.5	0.8	1.5	1.3	1.0	3.0	2.3	1.8
CHOLECYSTECTOMY	69	0.0	1.9	2.4	2.9	3.5	3.4	4.3	4.8	4.0
HYSTERECTOMY	37	0.0	0.4	*	0.0	1.0	*	0.0	1.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 29,336

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.24	26.69	0.30	0.83	0.01	4.35	4.39	0.12	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.99	0.88	0.05	1.11	0.07					
CONGESTIVE HEART FAILURE	1.10	1.57	0.07	0.71	0.03					
PNEUMONIA/INFLUENZA	0.84	1.24	0.06	0.67	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.30	0.53	0.04	0.55	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.35	0.03	0.75	0.08					
STROKE	0.86	0.85	0.05	1.02	0.06					
HIP FRACTURE	0.61	0.57	0.04	1.06	0.08					
SEPSIS	0.18	0.33	0.03	0.58	0.06					
PROCEDURES:										
ANGIOPLASTY	0.26	0.31	0.03	0.85	0.09					
CORONARY ARTERY BYPASS GRAFT	0.42	0.41	0.04	1.01	0.09					
INITIAL PACEMAKER INSERTION	0.11	0.19	0.03	0.59	0.08					
CAROTID ENDARTERECTOMY	0.13	0.13	0.02	0.86	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.45	0.04	0.98	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.28	0.03	0.88	0.10					
PROSTATECTOMY	0.68	0.76	0.05	0.89	0.06					
CHOLECYSTECTOMY	0.40	0.45	0.04	0.87	0.08					
HYSTERECTOMY	0.25	0.18	0.02	1.38	0.20					

** QUANTITIES COULD NOT BE ESTIMATED

YAKIMA, WA (9260)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	4,789	10.0	9.3	0.5	14.6	13.9	0.6	18.0	17.2	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	226	23.5	27.8	4.2	28.3	30.6	4.0	29.2	33.3	4.1
CONGESTIVE HEART FAILURE	234	13.7	15.0	2.7	23.5	22.9	2.8	30.3	28.8	3.3
PNEUMONIA/INFLUENZA	243	11.9	13.8	3.0	21.4	19.4	3.5	25.1	23.1	3.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	87	10.3	9.0	4.3	16.1	15.5	4.6	24.1	20.3	6.3
TRANSIENT CEREBRAL ISCHEMIA	25	0.0	1.6	*	0.0	3.8	*	4.0	6.5	*
STROKE	174	18.4	20.4	3.5	24.1	26.4	3.5	29.3	30.1	3.5
HIP FRACTURE	133	7.5	6.5	2.4	9.8	11.5	3.2	13.5	15.1	3.4
SEPSIS	46	28.3	23.0	*	37.0	31.2	*	37.0	35.3	*
PROCEDURES:										
ANGIOPLASTY	35	0.0	2.8	*	0.0	3.4	*	0.0	4.1	*
CORONARY ARTERY BYPASS GRAFT	61	4.9	5.2	4.3	4.9	7.3	4.4	4.9	8.2	4.5
INITIAL PACEMAKER INSERTION	29	3.4	3.7	*	6.9	6.8	*	6.9	9.2	*
CAROTID ENDARTERECTOMY	13	7.7	1.1	*	7.7	2.1	*	7.7	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	105	5.7	2.5	2.8	5.7	4.5	2.6	7.6	6.1	2.9
OPEN REDUCTION OF HIP FRACTURE	69	5.8	5.6	2.8	8.7	10.3	4.3	13.0	13.6	4.2
PROSTATECTOMY	322	0.3	0.8	0.6	0.9	1.9	1.1	1.9	3.4	1.5
CHOLECYSTECTOMY	105	4.8	2.1	2.0	4.8	3.7	2.1	4.8	4.9	2.6
HYSTERECTOMY	46	0.0	1.1	*	2.2	2.2	*	2.2	3.2	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,468

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.16	28.05	0.32	0.90	0.01	4.64	4.58	0.13	1.01	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.12	0.95	0.06	1.16	0.07					
CONGESTIVE HEART FAILURE	1.58	1.65	0.08	0.96	0.04					
PNEUMONIA/INFLUENZA	1.23	1.45	0.07	0.85	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.46	0.57	0.05	0.79	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.13	0.37	0.04	0.30	0.03					
STROKE	0.85	0.92	0.06	0.93	0.06					
HIP FRACTURE	0.60	0.62	0.05	1.01	0.08					
SEPSIS	0.28	0.35	0.04	0.75	0.08					
PROCEDURES:										
ANGIOPLASTY	0.24	0.31	0.03	0.74	0.08					
CORONARY ARTERY BYPASS GRAFT	0.36	0.40	0.04	0.92	0.09					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.03	1.02	0.14					
CAROTID ENDARTERECTOMY	0.08	0.13	0.02	0.77	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.48	0.04	0.98	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.29	0.03	1.10	0.13					
PROSTATECTOMY	1.27	0.82	0.05	1.54	0.10					
CHOLECYSTECTOMY	0.48	0.49	0.04	0.96	0.08					
HYSTERECTOMY	0.19	0.19	0.03	0.89	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

WA-(NONMSA) (99WA)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	19,315	9.3	8.6	0.2	13.7	13.1	0.3	17.2	16.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	692	25.3	23.6	2.6	28.0	26.6	2.3	31.1	29.4	2.2
CONGESTIVE HEART FAILURE	962	14.4	14.9	1.4	23.1	23.2	1.8	28.5	29.4	1.8
PNEUMONIA/INFLUENZA	1,270	13.1	14.8	1.7	18.5	20.5	1.8	22.3	24.4	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	418	8.1	7.7	1.6	15.6	13.6	2.2	20.1	17.9	2.9
TRANSIENT CEREBRAL ISCHEMIA	199	2.0	2.1	2.5	5.5	4.8	3.5	11.1	7.7	3.5
STROKE	799	20.5	18.6	2.0	26.7	24.8	2.0	30.3	28.6	2.1
HIP FRACTURE	546	8.2	6.3	1.3	15.4	11.3	2.0	19.8	14.6	2.3
SEPSIS	211	18.0	25.9	3.9	25.1	34.0	5.1	30.8	38.9	5.2
PROCEDURES:										
ANGIOPLASTY	2	0.0	5.8	*	0.0	6.4	*	0.0	7.3	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	109	4.6	2.5	1.8	5.5	5.0	2.7	11.0	7.4	3.1
CAROTID ENDARTERECTOMY	132	0.0	1.2	1.5	0.8	2.2	1.8	0.8	3.3	2.7
HIP REPLACEMENT/RECONSTRUCTION	489	4.3	2.8	1.2	6.3	5.1	1.9	8.4	6.9	2.2
OPEN REDUCTION OF HIP FRACTURE	244	6.6	5.9	1.7	13.1	10.9	2.9	18.0	14.4	4.1
PROSTATECTOMY	877	0.5	0.7	0.3	1.7	1.7	0.5	3.2	3.0	0.8
CHOLECYSTECTOMY	451	2.7	2.2	1.1	4.4	4.0	1.2	6.0	5.3	1.1
HYSTERECTOMY	207	0.0	0.6	0.6	0.5	1.3	0.9	0.5	2.1	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 156,991

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.79	27.32	0.13	0.91	0.00	4.28	4.43	0.05	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.94	0.02	1.03	0.03					
CONGESTIVE HEART FAILURE	1.30	1.58	0.03	0.82	0.02					
PNEUMONIA/INFLUENZA	1.27	1.37	0.03	0.93	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.57	0.02	0.95	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.35	0.01	0.61	0.03					
STROKE	0.83	0.88	0.02	0.93	0.03					
HIP FRACTURE	0.51	0.57	0.02	0.89	0.03					
SEPSIS	0.25	0.33	0.01	0.78	0.04					
PROCEDURES:										
ANGIOPLASTY	0.34	0.32	0.01	1.00	0.05					
CORONARY ARTERY BYPASS GRAFT	0.44	0.43	0.02	0.99	0.04					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.71	0.04					
CAROTID ENDARTERECTOMY	0.20	0.14	0.01	1.39	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.47	0.02	1.16	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.28	0.01	0.81	0.04					
PROSTATECTOMY	0.93	0.86	0.02	1.08	0.03					
CHOLECYSTECTOMY	0.47	0.49	0.02	0.98	0.04					
HYSTERECTOMY	0.20	0.19	0.01	1.10	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

APPLETON-OSHKOSH-NEENAH, WI (0460)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,147	7.9	7.9	0.3	12.2	12.2	0.4	15.1	15.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	303	22.8	23.6	3.2	26.1	26.8	3.8	28.1	29.6	4.5
CONGESTIVE HEART FAILURE	463	12.7	14.5	3.4	21.8	23.0	3.7	27.2	29.4	3.5
PNEUMONIA/INFLUENZA	346	17.6	14.9	3.0	23.4	20.6	3.1	25.4	24.6	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	91	6.6	7.8	3.1	16.5	13.8	4.2	25.3	18.3	6.5
TRANSIENT CEREBRAL ISCHEMIA	103	0.0	1.7	2.1	2.9	4.0	2.2	5.8	6.6	2.5
STROKE	339	20.4	18.0	3.4	27.4	24.8	3.7	31.3	28.7	3.1
HIP FRACTURE	224	5.4	6.1	1.7	7.6	10.8	3.4	11.6	14.1	3.7
SEPSIS	94	20.2	21.8	4.6	27.7	29.0	6.7	33.0	33.5	6.7
PROCEDURES:										
ANGIOPLASTY	160	2.5	2.7	1.3	4.4	3.7	1.6	4.4	4.6	1.8
CORONARY ARTERY BYPASS GRAFT	239	3.8	5.1	2.7	5.0	7.3	2.9	6.3	8.3	2.9
INITIAL PACEMAKER INSERTION	67	3.0	3.1	2.5	3.0	5.9	3.9	3.0	8.5	5.5
CAROTID ENDARTERECTOMY	49	0.0	1.3	*	2.0	2.6	*	4.1	3.8	*
HIP REPLACEMENT/RECONSTRUCTION	289	0.3	1.9	1.7	0.3	3.4	3.2	1.4	4.6	3.4
OPEN REDUCTION OF HIP FRACTURE	108	5.6	5.4	2.4	9.3	9.9	3.0	13.0	13.2	3.4
PROSTATECTOMY	360	1.1	1.2	0.6	2.8	2.8	1.2	4.4	4.8	1.6
CHOLECYSTECTOMY	185	2.2	2.6	1.3	5.9	4.7	2.0	7.0	6.2	1.9
HYSTERECTOMY	87	0.0	0.5	0.8	0.0	1.2	1.5	0.0	1.9	2.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 43,939

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.42	27.49	0.25	1.00	0.01	4.35	4.74	0.10	0.92	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.91	0.05	1.04	0.05					
CONGESTIVE HEART FAILURE	1.71	1.63	0.06	1.04	0.04					
PNEUMONIA/INFLUENZA	1.09	1.36	0.06	0.80	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.52	0.03	0.69	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.36	0.03	0.76	0.06					
STROKE	0.94	0.89	0.04	1.06	0.05					
HIP FRACTURE	0.58	0.66	0.04	0.86	0.05					
SEPSIS	0.29	0.34	0.03	0.85	0.07					
PROCEDURES:										
ANGIOPLASTY	0.40	0.28	0.03	1.43	0.13					
CORONARY ARTERY BYPASS GRAFT	0.57	0.38	0.03	1.50	0.12					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	0.90	0.10					
CAROTID ENDARTERECTOMY	0.10	0.12	0.02	0.88	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.57	0.49	0.03	1.17	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.31	0.03	0.87	0.08					
PROSTATECTOMY	0.91	0.76	0.04	1.19	0.07					
CHOLECYSTECTOMY	0.44	0.45	0.03	1.03	0.08					
HYSTERECTOMY	0.22	0.19	0.02	1.20	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

DULUTH, MN-WI (2240)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,096	9.8	9.4	0.5	14.1	14.2	0.4	17.1	17.7	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	322	24.2	24.1	2.6	27.3	27.2	2.9	32.0	30.0	3.1
CONGESTIVE HEART FAILURE	378	13.2	14.8	2.7	21.7	23.0	2.5	29.6	29.1	2.4
PNEUMONIA/INFLUENZA	319	16.6	15.8	2.2	21.3	21.6	2.4	24.8	25.6	2.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	84	9.5	8.1	3.8	15.5	14.4	4.9	19.0	19.2	6.5
TRANSIENT CEREBRAL ISCHEMIA	114	0.9	1.7	1.9	5.3	3.8	2.8	7.9	6.3	4.5
STROKE	350	25.4	20.7	3.2	30.6	26.7	3.1	33.1	30.4	2.8
HIP FRACTURE	258	8.1	6.7	1.7	13.2	11.7	2.1	16.3	15.2	2.4
SEPSIS	106	20.8	25.1	6.2	26.4	32.4	7.6	28.3	36.7	7.4
PROCEDURES:										
ANGIOPLASTY	41	2.4	1.9	*	4.9	2.7	*	4.9	3.4	*
CORONARY ARTERY BYPASS GRAFT	98	2.0	6.4	3.4	3.1	9.2	4.2	5.1	10.5	4.5
INITIAL PACEMAKER INSERTION	73	5.5	3.5	2.8	8.2	6.5	5.5	11.0	9.2	6.9
CAROTID ENDARTERECTOMY	10	0.0	1.0	*	0.0	1.9	*	0.0	2.8	*
HIP REPLACEMENT/RECONSTRUCTION	236	3.0	2.9	1.1	5.5	5.2	1.5	7.2	7.0	1.7
OPEN REDUCTION OF HIP FRACTURE	118	10.2	6.3	3.1	16.1	11.4	3.4	18.6	14.9	4.2
PROSTATECTOMY	383	0.8	1.0	0.5	1.8	2.2	0.9	2.3	3.7	1.8
CHOLECYSTECTOMY	175	4.6	3.0	2.1	6.9	5.7	2.3	9.7	7.8	2.7
HYSTERECTOMY	104	1.0	0.4	0.9	1.0	1.0	1.1	1.9	1.6	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 45,902

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.98	30.17	0.26	0.86	0.01	4.65	4.80	0.10	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	1.01	0.05	0.97	0.05					
CONGESTIVE HEART FAILURE	1.37	1.81	0.06	0.75	0.03					
PNEUMONIA/INFLUENZA	0.98	1.66	0.06	0.59	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.29	0.64	0.04	0.46	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.42	0.03	0.67	0.05					
STROKE	0.93	0.96	0.05	0.96	0.05					
HIP FRACTURE	0.57	0.69	0.04	0.82	0.05					
SEPSIS	0.32	0.35	0.03	0.87	0.07					
PROCEDURES:										
ANGIOPLASTY	0.22	0.29	0.03	0.89	0.08					
CORONARY ARTERY BYPASS GRAFT	0.29	0.41	0.03	0.73	0.06					
INITIAL PACEMAKER INSERTION	0.17	0.21	0.02	0.93	0.10					
CAROTID ENDARTERECTOMY	0.04	0.14	0.02	0.26	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.50	0.03	1.00	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.32	0.03	0.76	0.07					
PROSTATECTOMY	0.81	0.79	0.04	1.02	0.05					
CHOLECYSTECTOMY	0.42	0.52	0.03	0.79	0.05					
HYSTERECTOMY	0.23	0.19	0.02	1.19	0.14					

** QUANTITIES COULD NOT BE ESTIMATED

EAU CLAIRE, WI (2290)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,218	8.0	7.9	0.4	12.2	12.2	0.6	15.1	15.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	223	22.0	23.2	3.0	26.9	26.5	3.4	29.1	29.4	3.1
CONGESTIVE HEART FAILURE	253	16.6	14.7	3.8	25.3	23.3	3.4	32.0	29.7	3.8
PNEUMONIA/INFLUENZA	215	14.0	14.4	2.5	21.9	20.3	4.2	26.5	24.3	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	72	6.9	6.6	3.0	12.5	12.0	4.3	16.7	16.5	6.0
TRANSIENT CEREBRAL ISCHEMIA	73	1.4	1.6	2.6	5.5	3.5	3.0	6.8	5.8	2.9
STROKE	195	17.4	18.7	2.9	22.1	24.5	3.3	24.6	28.0	3.8
HIP FRACTURE	164	7.3	6.5	2.4	14.0	11.6	3.6	17.7	15.3	4.4
SEPSIS	54	14.8	21.8	7.5	18.5	28.6	9.3	22.2	32.6	9.4
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	32	3.1	3.9	*	6.3	7.3	*	12.5	10.3	*
CAROTID ENDARTERECTOMY	21	4.8	1.1	*	9.5	1.9	*	9.5	2.9	*
HIP REPLACEMENT/RECONSTRUCTION	154	2.6	2.6	1.3	5.8	4.9	2.0	7.8	6.6	3.1
OPEN REDUCTION OF HIP FRACTURE	70	7.1	6.3	3.7	17.1	11.7	5.4	24.3	15.6	7.4
PROSTATECTOMY	159	1.9	1.1	1.1	3.1	2.7	1.4	5.7	4.7	1.9
CHOLECYSTECTOMY	90	2.2	2.0	1.5	4.4	3.7	2.1	4.4	4.9	2.3
HYSTERECTOMY	49	0.0	0.7	*	2.0	1.5	*	6.1	2.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 21,126

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.91	28.42	0.37	1.05	0.01	4.57	4.74	0.15	0.96	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.31	0.94	0.07	1.39	0.10					
CONGESTIVE HEART FAILURE	1.72	1.67	0.09	1.05	0.06					
PNEUMONIA/INFLUENZA	1.24	1.54	0.08	0.80	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.58	0.05	0.86	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.36	0.04	0.97	0.12					
STROKE	0.92	0.91	0.07	1.01	0.07					
HIP FRACTURE	0.71	0.65	0.06	1.10	0.10					
SEPSIS	0.35	0.34	0.04	0.96	0.12					
PROCEDURES:										
ANGIOPLASTY	0.17	0.28	0.04	0.54	0.07					
CORONARY ARTERY BYPASS GRAFT	0.31	0.37	0.04	0.79	0.09					
INITIAL PACEMAKER INSERTION	0.13	0.19	0.03	0.64	0.11					
CAROTID ENDARTERECTOMY	0.07	0.12	0.02	0.35	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.65	0.47	0.05	1.40	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.30	0.04	0.94	0.13					
PROSTATECTOMY	0.63	0.75	0.06	0.85	0.07					
CHOLECYSTECTOMY	0.42	0.48	0.05	0.84	0.09					
HYSTERECTOMY	0.25	0.18	0.03	1.28	0.23					

** QUANTITIES COULD NOT BE ESTIMATED

GREEN BAY, WI (3080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,821	6.9	7.1	0.4	11.1	11.0	0.4	14.3	14.1	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	195	24.1	23.7	3.6	29.7	26.5	4.0	32.3	29.1	4.1
CONGESTIVE HEART FAILURE	305	11.1	13.7	3.8	21.6	21.8	3.2	26.9	27.8	2.9
PNEUMONIA/INFLUENZA	175	16.0	14.0	3.1	22.3	19.3	4.3	25.7	23.1	4.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	85	8.2	8.6	3.6	12.9	15.0	4.7	18.8	20.1	4.5
TRANSIENT CEREBRAL ISCHEMIA	75	2.7	1.7	2.1	6.7	3.7	4.0	9.3	5.8	4.8
STROKE	259	15.4	19.0	2.7	18.9	25.4	3.5	21.6	29.0	3.7
HIP FRACTURE	173	5.8	5.9	2.3	9.8	10.6	2.5	12.7	13.9	2.8
SEPSIS	66	16.7	25.0	7.1	24.2	32.9	8.7	30.3	37.7	9.0
PROCEDURES:										
ANGIOPLASTY	86	3.5	2.3	2.2	3.5	3.0	2.1	3.5	3.8	2.1
CORONARY ARTERY BYPASS GRAFT	125	7.2	5.0	3.2	7.2	7.1	2.7	8.8	8.1	2.6
INITIAL PACEMAKER INSERTION	45	0.0	2.6	*	0.0	5.4	*	4.4	7.9	*
CAROTID ENDARTERECTOMY	61	3.3	1.0	2.6	3.3	1.9	2.8	4.9	2.9	3.4
HIP REPLACEMENT/RECONSTRUCTION	238	2.5	2.4	1.0	4.2	4.5	1.6	4.6	6.1	2.1
OPEN REDUCTION OF HIP FRACTURE	38	2.6	5.2	*	7.9	9.6	*	13.2	12.7	*
PROSTATECTOMY	297	0.3	0.9	0.8	1.0	2.2	1.5	3.7	3.8	1.2
CHOLECYSTECTOMY	130	3.1	3.3	2.6	3.8	5.8	3.0	8.5	7.6	3.4
HYSTERECTOMY	71	0.0	0.5	0.9	0.0	1.1	1.5	0.0	1.9	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 24,126

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.04	28.07	0.34	0.93	0.01	4.54	4.76	0.14	0.95	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.77	0.92	0.06	0.84	0.06					
CONGESTIVE HEART FAILURE	1.51	1.68	0.08	0.90	0.04					
PNEUMONIA/INFLUENZA	0.78	1.39	0.08	0.56	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.55	0.05	0.80	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.37	0.04	0.87	0.09					
STROKE	0.94	0.90	0.06	1.04	0.07					
HIP FRACTURE	0.61	0.67	0.05	0.92	0.07					
SEPSIS	0.32	0.35	0.04	0.95	0.11					
PROCEDURES:										
ANGIOPLASTY	0.21	0.28	0.03	0.69	0.09					
CORONARY ARTERY BYPASS GRAFT	0.31	0.38	0.04	0.80	0.09					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.03	0.70	0.11					
CAROTID ENDARTERECTOMY	0.17	0.12	0.02	1.30	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.66	0.48	0.04	1.38	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.14	0.31	0.04	0.39	0.05					
PROSTATECTOMY	0.87	0.72	0.05	1.19	0.09					
CHOLECYSTECTOMY	0.44	0.46	0.04	0.95	0.09					
HYSTERECTOMY	0.23	0.18	0.03	1.20	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

JANESVILLE-BELOIT, WI (3620)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,940	9.2	8.4	0.7	14.0	12.8	0.7	16.9	16.0	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	116	32.8	26.0	4.6	35.3	28.6	4.8	36.2	31.3	4.6
CONGESTIVE HEART FAILURE	205	15.1	14.0	2.6	22.4	22.2	3.0	29.3	28.1	3.8
PNEUMONIA/INFLUENZA	171	14.0	15.2	2.8	17.5	21.1	3.8	19.3	25.2	5.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	68	8.8	6.3	5.5	16.2	11.7	9.3	19.1	15.7	10.5
TRANSIENT CEREBRAL ISCHEMIA	62	3.2	1.7	2.2	9.7	3.8	5.0	11.3	6.3	6.3
STROKE	138	18.8	19.0	4.1	29.0	25.3	5.8	31.2	29.1	5.6
HIP FRACTURE	115	8.7	5.9	3.8	14.8	10.3	4.7	17.4	13.5	5.7
SEPSIS	51	21.6	24.1	6.4	31.4	32.3	8.3	37.3	37.1	7.8
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	21	9.5	4.4	*	23.8	8.4	*	23.8	11.7	*
CAROTID ENDARTERECTOMY	28	0.0	1.2	*	3.6	2.2	*	3.6	3.3	*
HIP REPLACEMENT/RECONSTRUCTION	98	3.1	2.5	3.5	7.1	4.6	4.8	9.2	6.2	5.0
OPEN REDUCTION OF HIP FRACTURE	50	8.0	5.4	*	12.0	9.7	*	14.0	13.0	*
PROSTATECTOMY	124	0.8	0.8	0.8	1.6	1.9	1.2	1.6	3.3	2.1
CHOLECYSTECTOMY	101	3.0	3.6	1.9	5.0	6.3	2.5	5.9	8.0	3.0
HYSTERECTOMY	35	0.0	0.2	*	0.0	0.5	*	0.0	0.8	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,317

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.27	28.02	0.37	1.08	0.01	5.07	4.74	0.15	1.07	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.90	0.07	1.11	0.08					
CONGESTIVE HEART FAILURE	1.65	1.70	0.09	0.97	0.05					
PNEUMONIA/INFLUENZA	1.22	1.37	0.08	0.89	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.54	0.05	0.92	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.37	0.04	1.19	0.14					
STROKE	0.89	0.91	0.07	0.97	0.07					
HIP FRACTURE	0.71	0.64	0.06	1.09	0.10					
SEPSIS	0.36	0.36	0.04	1.05	0.13					
PROCEDURES:										
ANGIOPLASTY	0.40	0.29	0.04	1.36	0.18					
CORONARY ARTERY BYPASS GRAFT	0.39	0.38	0.04	1.02	0.12					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.03	0.94	0.15					
CAROTID ENDARTERECTOMY	0.18	0.13	0.03	1.31	0.27					
HIP REPLACEMENT/RECONSTRUCTION	0.59	0.47	0.05	1.28	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.04	1.00	0.13					
PROSTATECTOMY	0.69	0.73	0.06	0.95	0.08					
CHOLECYSTECTOMY	0.57	0.45	0.05	1.25	0.13					
HYSTERECTOMY	0.19	0.18	0.03	1.05	0.18					

** QUANTITIES COULD NOT BE ESTIMATED

KENOSHA, WI (3800)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	3,026	9.8	8.7	0.8	14.7	13.2	0.9	17.9	16.5	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	71	31.0	23.1	5.8	35.2	26.1	6.0	39.4	28.8	6.4
CONGESTIVE HEART FAILURE	214	15.0	13.6	2.6	23.8	21.7	4.7	30.4	27.7	5.3
PNEUMONIA/INFLUENZA	155	19.4	15.7	4.1	29.0	21.4	4.7	31.6	25.3	4.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	50	12.0	9.1	*	16.0	15.4	*	20.0	20.1	*
TRANSIENT CEREBRAL ISCHEMIA	59	3.4	1.6	2.6	8.5	3.6	4.9	10.2	5.8	4.8
STROKE	101	19.8	21.3	4.8	23.8	27.6	6.2	24.8	31.2	7.1
HIP FRACTURE	75	1.3	6.7	3.9	6.7	11.6	4.4	12.0	15.1	4.6
SEPSIS	54	25.9	22.2	6.7	29.6	29.0	7.1	38.9	33.5	8.5
PROCEDURES:										
ANGIOPLASTY	1	0.0	1.8	*	0.0	3.0	*	0.0	4.6	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	27	7.4	2.8	*	14.8	5.1	*	14.8	7.3	*
CAROTID ENDARTERECTOMY	11	0.0	1.4	*	0.0	2.4	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	33	0.0	2.8	*	3.0	5.3	*	9.1	7.2	*
OPEN REDUCTION OF HIP FRACTURE	32	3.1	6.1	*	6.3	11.0	*	12.5	14.6	*
PROSTATECTOMY	70	1.4	0.6	1.3	1.4	1.5	1.4	1.4	2.6	2.2
CHOLECYSTECTOMY	55	3.6	3.3	2.5	5.5	6.0	3.3	9.1	8.0	3.7
HYSTERECTOMY	18	0.0	0.7	*	0.0	1.7	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,919

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.54	27.68	0.39	1.14	0.02	4.83	4.60	0.16	1.05	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.89	0.07	0.84	0.07					
CONGESTIVE HEART FAILURE	2.27	1.66	0.10	1.37	0.08					
PNEUMONIA/INFLUENZA	1.36	1.32	0.09	1.03	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.54	0.06	0.84	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.36	0.04	1.41	0.18					
STROKE	0.92	0.88	0.07	1.03	0.08					
HIP FRACTURE	0.65	0.62	0.06	1.00	0.10					
SEPSIS	0.42	0.35	0.04	1.23	0.16					
PROCEDURES:										
ANGIOPLASTY	0.44	0.29	0.04	1.46	0.21					
CORONARY ARTERY BYPASS GRAFT	0.60	0.38	0.05	1.56	0.19					
INITIAL PACEMAKER INSERTION	0.24	0.19	0.03	1.33	0.24					
CAROTID ENDARTERECTOMY	0.12	0.12	0.03	1.14	0.26					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.45	0.05	0.96	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.29	0.04	0.87	0.13					
PROSTATECTOMY	0.63	0.71	0.06	0.86	0.08					
CHOLECYSTECTOMY	0.48	0.45	0.05	1.01	0.12					
HYSTERECTOMY	0.17	0.18	0.03	0.81	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

LA CROSSE, WI (3870)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,001	7.7	8.5	0.5	11.9	12.9	0.6	14.8	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	219	26.0	28.7	3.7	32.0	31.6	3.2	34.2	34.3	3.5
CONGESTIVE HEART FAILURE	199	12.1	15.1	3.3	21.1	23.6	3.4	29.6	29.9	3.5
PNEUMONIA/INFLUENZA	185	15.7	16.7	3.0	18.9	23.2	4.8	24.3	27.8	5.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	52	9.6	9.2	4.1	17.3	15.9	6.2	26.9	20.8	6.7
TRANSIENT CEREBRAL ISCHEMIA	49	4.1	1.7	*	6.1	3.8	*	8.2	6.1	*
STROKE	222	11.3	21.0	3.8	18.9	27.8	4.9	27.0	31.9	6.1
HIP FRACTURE	219	9.1	6.7	2.7	12.3	11.7	2.3	15.1	15.3	2.5
SEPSIS	83	24.1	24.7	4.8	30.1	32.5	5.5	31.3	37.4	6.0
PROCEDURES:										
ANGIOPLASTY	57	8.8	4.8	5.0	8.8	5.9	5.0	8.8	6.9	5.2
CORONARY ARTERY BYPASS GRAFT	158	6.3	6.5	2.7	7.6	8.8	3.1	8.2	9.9	3.4
INITIAL PACEMAKER INSERTION	49	0.0	3.8	*	2.0	6.9	*	6.1	9.8	*
CAROTID ENDARTERECTOMY	16	0.0	1.2	*	0.0	2.4	*	0.0	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	163	4.3	2.7	1.9	6.7	4.9	2.5	7.4	6.7	2.6
OPEN REDUCTION OF HIP FRACTURE	55	5.5	7.1	4.2	9.1	12.4	5.9	14.5	16.2	7.2
PROSTATECTOMY	228	0.0	1.2	1.1	0.9	2.8	1.5	2.2	4.8	1.8
CHOLECYSTECTOMY	115	2.6	3.2	2.3	5.2	5.9	3.2	6.1	7.7	3.1
HYSTERECTOMY	64	0.0	0.8	1.3	1.6	1.7	2.2	3.1	2.6	3.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 14,287

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.82	28.01	0.44	1.03	0.02	4.70	4.81	0.18	0.98	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.92	0.08	0.99	0.09					
CONGESTIVE HEART FAILURE	1.38	1.68	0.11	0.81	0.05					
PNEUMONIA/INFLUENZA	1.08	1.37	0.10	0.81	0.06					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.53	0.06	0.64	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.24	0.37	0.05	0.67	0.09					
STROKE	0.97	0.91	0.08	1.07	0.09					
HIP FRACTURE	0.78	0.69	0.07	1.12	0.11					
SEPSIS	0.56	0.35	0.05	1.64	0.24					
PROCEDURES:										
ANGIOPLASTY	0.19	0.27	0.04	0.75	0.13					
CORONARY ARTERY BYPASS GRAFT	0.43	0.37	0.05	1.18	0.17					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.04	0.71	0.14					
CAROTID ENDARTERECTOMY	0.05	0.11	0.03	0.43	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.50	0.06	0.94	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.21	0.33	0.05	0.65	0.10					
PROSTATECTOMY	0.66	0.72	0.07	0.92	0.09					
CHOLECYSTECTOMY	0.52	0.45	0.06	1.13	0.14					
HYSTERECTOMY	0.16	0.19	0.04	0.92	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

MADISON, WI (4720)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	10,498	6.6	7.8	0.3	10.3	12.1	0.4	13.4	15.3	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	273	20.1	26.3	4.5	24.9	29.3	4.4	27.1	31.9	4.5
CONGESTIVE HEART FAILURE	357	13.4	14.3	2.0	22.4	22.6	3.4	27.5	28.8	4.3
PNEUMONIA/INFLUENZA	291	12.4	15.2	3.1	15.8	20.9	4.1	21.0	24.8	4.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	2.9	8.3	4.1	8.8	14.1	5.7	11.8	18.6	5.6
TRANSIENT CEREBRAL ISCHEMIA	140	1.4	1.9	1.2	2.1	4.0	2.1	5.0	6.2	2.2
STROKE	305	20.7	19.6	2.3	26.2	25.8	2.7	27.9	29.5	2.8
HIP FRACTURE	255	6.3	7.1	2.8	8.2	12.3	3.5	14.1	15.9	3.9
SEPSIS	77	15.6	20.8	5.5	23.4	27.7	6.9	26.0	31.9	6.7
PROCEDURES:										
ANGIOPLASTY	126	2.4	3.2	1.9	3.2	4.0	2.5	4.0	4.8	3.0
CORONARY ARTERY BYPASS GRAFT	220	6.8	6.0	1.7	8.6	8.6	2.0	9.5	9.8	2.3
INITIAL PACEMAKER INSERTION	72	1.4	2.9	2.5	2.8	5.8	4.2	5.6	8.6	5.9
CAROTID ENDARTERECTOMY	55	0.0	1.4	2.4	1.8	2.7	2.8	5.5	4.1	3.2
HIP REPLACEMENT/RECONSTRUCTION	295	2.0	2.8	1.5	3.4	5.1	1.7	5.4	6.8	1.7
OPEN REDUCTION OF HIP FRACTURE	89	5.6	6.1	4.4	7.9	11.0	5.9	12.4	14.5	6.7
PROSTATECTOMY	341	1.2	1.0	0.5	1.8	2.3	0.9	2.9	3.9	1.2
CHOLECYSTECTOMY	202	1.5	2.7	1.3	3.0	5.4	1.9	4.5	7.5	2.3
HYSTERECTOMY	90	1.1	0.7	1.2	1.1	1.7	1.6	1.1	2.7	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 39,280

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.64	26.73	0.26	0.96	0.01	4.37	4.83	0.11	0.90	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.83	0.05	0.90	0.05					
CONGESTIVE HEART FAILURE	1.33	1.59	0.06	0.84	0.03					
PNEUMONIA/INFLUENZA	0.93	1.29	0.06	0.73	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.49	0.03	0.75	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.32	0.03	1.05	0.09					
STROKE	0.80	0.86	0.05	0.94	0.05					
HIP FRACTURE	0.72	0.66	0.04	1.09	0.07					
SEPSIS	0.26	0.35	0.03	0.75	0.06					
PROCEDURES:										
ANGIOPLASTY	0.21	0.27	0.03	0.78	0.08					
CORONARY ARTERY BYPASS GRAFT	0.37	0.34	0.03	1.09	0.09					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.02	0.85	0.10					
CAROTID ENDARTERECTOMY	0.06	0.11	0.02	0.54	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.68	0.46	0.03	1.48	0.11					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.32	0.03	0.80	0.07					
PROSTATECTOMY	0.73	0.67	0.04	1.10	0.07					
CHOLECYSTECTOMY	0.44	0.40	0.03	1.10	0.09					
HYSTERECTOMY	0.15	0.17	0.02	0.86	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

MILWAUKEE, WI (5080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	41,508	8.7	8.7	0.1	13.2	13.3	0.2	16.5	16.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,072	26.8	26.5	1.5	31.0	29.6	1.8	33.0	32.3	1.6
CONGESTIVE HEART FAILURE	2,299	13.4	14.2	1.1	22.1	22.6	1.3	28.2	28.7	1.3
PNEUMONIA/INFLUENZA	1,450	18.3	16.5	1.7	25.0	22.5	1.9	28.8	26.6	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	488	9.0	8.8	1.4	13.7	15.1	2.1	18.4	19.7	2.9
TRANSIENT CEREBRAL ISCHEMIA	578	1.6	1.8	0.6	3.8	4.0	0.8	5.9	6.6	1.2
STROKE	1,372	21.3	20.1	1.4	26.7	26.4	1.3	30.9	30.2	1.3
HIP FRACTURE	945	6.3	6.8	1.4	10.7	12.0	2.2	13.9	15.5	2.5
SEPSIS	525	24.6	24.6	1.9	32.4	32.7	2.7	37.7	37.3	2.5
PROCEDURES:										
ANGIOPLASTY	966	1.8	2.2	0.7	2.6	3.1	0.6	3.9	4.0	0.7
CORONARY ARTERY BYPASS GRAFT	979	7.6	5.6	1.6	10.6	8.2	2.1	11.5	9.3	2.1
INITIAL PACEMAKER INSERTION	346	3.8	3.9	1.1	8.1	7.6	1.5	12.7	10.8	2.1
CAROTID ENDARTERECTOMY	185	2.2	1.6	1.0	2.2	3.0	1.6	5.9	4.3	1.9
HIP REPLACEMENT/RECONSTRUCTION	920	4.0	3.3	0.7	7.1	6.0	1.0	8.0	8.0	1.0
OPEN REDUCTION OF HIP FRACTURE	429	4.4	6.1	1.6	8.4	11.1	2.4	12.6	14.6	2.5
PROSTATECTOMY	1,422	0.8	0.9	0.3	2.0	2.2	0.6	3.4	3.8	0.8
CHOLECYSTECTOMY	736	1.8	2.8	1.0	4.1	5.2	1.3	5.8	6.9	1.4
HYSTERECTOMY	328	0.6	0.6	0.6	1.2	1.3	0.9	2.1	2.1	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 206,339

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.06	27.47	0.11	1.06	0.00	4.81	4.86	0.05	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.81	0.02	0.97	0.02					
CONGESTIVE HEART FAILURE	1.98	1.73	0.03	1.14	0.02					
PNEUMONIA/INFLUENZA	1.06	1.20	0.02	0.89	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.40	0.48	0.01	0.84	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.35	0.01	1.07	0.04					
STROKE	0.92	0.90	0.02	1.03	0.02					
HIP FRACTURE	0.61	0.64	0.02	0.95	0.03					
SEPSIS	0.41	0.38	0.01	1.07	0.04					
PROCEDURES:										
ANGIOPLASTY	0.59	0.29	0.01	2.02	0.08					
CORONARY ARTERY BYPASS GRAFT	0.46	0.37	0.01	1.25	0.05					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.01	1.19	0.06					
CAROTID ENDARTERECTOMY	0.11	0.12	0.01	0.89	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.45	0.01	1.15	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.31	0.01	0.87	0.03					
PROSTATECTOMY	0.84	0.69	0.02	1.23	0.03					
CHOLECYSTECTOMY	0.44	0.40	0.01	1.10	0.04					
HYSTERECTOMY	0.19	0.17	0.01	1.11	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

MINNEAPOLIS-ST.PAUL, MN-WI (5120)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	47,357	8.2	8.2	0.2	12.4	12.6	0.3	15.5	16.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,481	23.1	24.7	2.6	26.8	27.9	2.7	29.2	30.7	2.5
CONGESTIVE HEART FAILURE	2,066	14.1	14.8	1.5	22.4	23.2	1.3	29.3	29.5	1.3
PNEUMONIA/INFLUENZA	1,951	16.5	16.3	0.9	22.9	22.4	1.1	27.7	26.6	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	514	9.7	9.0	1.3	14.6	15.5	1.7	20.0	20.5	2.0
TRANSIENT CEREBRAL ISCHEMIA	642	1.6	1.8	0.6	3.4	4.0	0.9	6.4	6.5	1.3
STROKE	1,592	20.0	20.6	1.2	26.8	27.0	1.3	29.5	30.8	1.6
HIP FRACTURE	1,310	6.6	6.6	0.7	10.7	11.8	1.0	13.4	15.5	1.3
SEPSIS	427	25.1	24.8	2.6	31.4	32.5	3.5	37.2	37.3	4.4
PROCEDURES:										
ANGIOPLASTY	697	2.7	2.9	0.7	3.3	3.9	1.0	3.9	4.8	1.1
CORONARY ARTERY BYPASS GRAFT	783	7.5	5.3	1.5	9.5	7.7	1.5	10.3	8.8	1.5
INITIAL PACEMAKER INSERTION	344	4.4	3.5	1.2	8.1	6.6	1.9	11.6	9.4	2.6
CAROTID ENDARTERECTOMY	142	1.4	1.3	1.3	3.5	2.5	1.6	3.5	3.8	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,173	2.6	2.8	0.5	4.4	5.2	0.8	6.1	7.1	1.0
OPEN REDUCTION OF HIP FRACTURE	541	7.4	6.2	1.2	10.7	11.4	1.4	13.7	15.2	1.8
PROSTATECTOMY	1,374	1.0	0.9	0.3	2.5	2.2	0.5	3.3	3.7	0.6
CHOLECYSTECTOMY	788	2.8	2.6	0.8	4.8	5.0	0.8	7.0	6.8	0.9
HYSTERECTOMY	457	0.7	0.6	0.6	1.8	1.4	1.3	3.1	2.3	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 273,871

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.87	27.15	0.10	0.84	0.00	4.64	4.83	0.04	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.86	0.02	0.80	0.02					
CONGESTIVE HEART FAILURE	1.28	1.64	0.02	0.79	0.01					
PNEUMONIA/INFLUENZA	1.02	1.28	0.02	0.79	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.33	0.49	0.01	0.67	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.36	0.01	0.83	0.03					
STROKE	0.74	0.88	0.02	0.84	0.02					
HIP FRACTURE	0.57	0.68	0.02	0.84	0.02					
SEPSIS	0.25	0.35	0.01	0.68	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.90	0.03					
CORONARY ARTERY BYPASS GRAFT	0.26	0.36	0.01	0.73	0.02					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.75	0.03					
CAROTID ENDARTERECTOMY	0.05	0.11	0.01	0.47	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.48	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.33	0.01	0.72	0.02					
PROSTATECTOMY	0.57	0.69	0.02	0.82	0.02					
CHOLECYSTECTOMY	0.34	0.41	0.01	0.82	0.02					
HYSTERECTOMY	0.17	0.18	0.01	0.95	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

RACINE, WI (6600)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,352	9.9	8.6	0.5	14.1	13.1	0.6	17.2	16.4	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	117	32.5	26.5	7.4	36.8	29.3	7.4	37.6	32.0	7.4
CONGESTIVE HEART FAILURE	267	18.7	13.5	3.0	24.3	21.3	3.2	31.1	27.4	3.1
PNEUMONIA/INFLUENZA	188	14.9	15.2	2.6	20.7	20.8	3.1	25.0	24.7	3.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	54	9.3	7.9	4.0	14.8	14.1	8.2	20.4	18.7	10.6
TRANSIENT CEREBRAL ISCHEMIA	50	2.0	2.0	*	4.0	4.6	*	4.0	7.4	*
STROKE	155	25.8	20.0	5.7	32.9	26.8	6.1	37.4	30.7	6.2
HIP FRACTURE	109	7.3	6.9	2.5	11.0	12.2	4.0	17.4	16.0	3.7
SEPSIS	53	26.4	24.9	6.6	37.7	32.6	7.4	39.6	37.1	6.9
PROCEDURES:										
ANGIOPLASTY	25	0.0	1.7	*	0.0	2.5	*	0.0	3.5	*
CORONARY ARTERY BYPASS GRAFT	25	0.0	5.5	*	4.0	7.7	*	4.0	8.6	*
INITIAL PACEMAKER INSERTION	22	4.5	3.8	*	9.1	7.8	*	9.1	11.0	*
CAROTID ENDARTERECTOMY	24	0.0	1.3	*	0.0	2.4	*	0.0	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	80	5.0	2.6	3.6	7.5	4.7	5.0	10.0	6.4	4.8
OPEN REDUCTION OF HIP FRACTURE	67	6.0	6.8	3.1	10.4	12.5	4.7	16.4	16.5	4.6
PROSTATECTOMY	180	0.0	1.0	1.1	1.1	2.4	1.5	3.3	4.0	2.4
CHOLECYSTECTOMY	106	0.9	2.2	1.8	3.8	4.0	2.0	3.8	5.2	2.5
HYSTERECTOMY	39	0.0	0.3	*	0.0	0.6	*	2.6	1.1	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,346

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.35	27.27	0.32	0.93	0.01	4.31	4.66	0.13	0.92	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.59	0.83	0.06	0.71	0.05					
CONGESTIVE HEART FAILURE	1.60	1.68	0.08	0.95	0.04					
PNEUMONIA/INFLUENZA	1.02	1.23	0.07	0.83	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.35	0.52	0.04	0.66	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.35	0.04	0.79	0.08					
STROKE	0.75	0.88	0.06	0.85	0.06					
HIP FRACTURE	0.53	0.60	0.05	0.93	0.07					
SEPSIS	0.33	0.37	0.04	0.89	0.09					
PROCEDURES:										
ANGIOPLASTY	0.27	0.29	0.03	0.89	0.10					
CORONARY ARTERY BYPASS GRAFT	0.33	0.37	0.04	0.87	0.09					
INITIAL PACEMAKER INSERTION	0.11	0.19	0.03	0.54	0.08					
CAROTID ENDARTERECTOMY	0.13	0.12	0.02	1.12	0.21					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.43	0.04	1.09	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.29	0.03	1.02	0.12					
PROSTATECTOMY	0.79	0.70	0.05	1.16	0.09					
CHOLECYSTECTOMY	0.50	0.42	0.04	1.21	0.12					
HYSTERECTOMY	0.20	0.17	0.03	1.24	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

SHEBOYGAN, WI (7620)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	2,726	10.3	8.8	0.6	14.7	13.3	0.7	18.3	16.7	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	96	33.3	29.0	5.0	40.6	32.7	7.2	40.6	35.8	5.3
CONGESTIVE HEART FAILURE	147	10.2	14.5	3.8	19.7	22.7	5.2	25.9	28.8	4.1
PNEUMONIA/INFLUENZA	126	16.7	15.3	3.5	23.0	21.0	4.1	27.0	24.7	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	18	16.7	6.9	*	22.2	12.3	*	22.2	16.7	*
TRANSIENT CEREBRAL ISCHEMIA	24	4.2	1.7	*	4.2	3.8	*	8.3	6.3	*
STROKE	135	16.3	18.5	4.2	24.4	24.3	4.6	28.1	27.9	4.2
HIP FRACTURE	70	5.7	7.5	3.6	14.3	13.3	4.2	21.4	17.4	5.7
SEPSIS	40	27.5	21.3	*	27.5	29.1	*	30.0	33.6	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	21	9.5	4.7	*	9.5	8.0	*	9.5	10.5	*
CAROTID ENDARTERECTOMY	11	0.0	1.3	*	0.0	2.4	*	0.0	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	75	4.0	3.5	3.1	9.3	6.3	5.3	13.3	8.3	6.6
OPEN REDUCTION OF HIP FRACTURE	33	6.1	6.4	*	12.1	11.6	*	18.2	15.1	*
PROSTATECTOMY	125	2.4	0.8	1.5	3.2	1.9	1.6	4.0	3.4	2.2
CHOLECYSTECTOMY	74	1.4	2.1	2.9	2.7	3.8	4.4	4.1	5.2	4.9
HYSTERECTOMY	37	0.0	0.7	*	0.0	1.6	*	0.0	2.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 17,047

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.15	27.61	0.40	0.91	0.01	4.79	4.71	0.17	1.02	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.93	0.07	0.93	0.07					
CONGESTIVE HEART FAILURE	1.58	1.64	0.10	0.97	0.06					
PNEUMONIA/INFLUENZA	0.93	1.37	0.09	0.70	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.15	0.52	0.06	0.31	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.19	0.36	0.05	0.46	0.06					
STROKE	0.94	0.90	0.07	1.01	0.08					
HIP FRACTURE	0.48	0.67	0.06	0.72	0.07					
SEPSIS	0.33	0.34	0.04	0.93	0.13					
PROCEDURES:										
ANGIOPLASTY	0.46	0.28	0.04	1.55	0.24					
CORONARY ARTERY BYPASS GRAFT	0.35	0.38	0.05	0.88	0.11					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.03	0.87	0.16					
CAROTID ENDARTERECTOMY	0.12	0.12	0.03	1.11	0.27					
HIP REPLACEMENT/RECONSTRUCTION	0.57	0.50	0.05	1.14	0.13					
OPEN REDUCTION OF HIP FRACTURE	0.22	0.31	0.04	0.67	0.10					
PROSTATECTOMY	0.82	0.77	0.07	1.08	0.10					
CHOLECYSTECTOMY	0.47	0.46	0.05	1.04	0.12					
HYSTERECTOMY	0.24	0.19	0.03	1.17	0.22					

** QUANTITIES COULD NOT BE ESTIMATED

WAUSAU, WI (8940)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	2,847	8.2	7.4	0.6	11.9	11.4	0.6	14.8	14.5	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	114	17.5	21.4	5.4	19.3	24.6	6.1	20.2	27.3	6.7
CONGESTIVE HEART FAILURE	122	18.9	13.5	4.6	23.0	21.7	4.3	31.1	27.9	4.6
PNEUMONIA/INFLUENZA	105	17.1	13.6	4.3	20.0	19.1	4.3	23.8	22.8	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	21	9.5	8.7	*	19.0	14.9	*	19.0	19.0	*
TRANSIENT CEREBRAL ISCHEMIA	24	0.0	1.6	*	0.0	3.6	*	0.0	6.0	*
STROKE	95	22.1	17.9	4.4	27.4	23.9	4.7	35.8	27.5	6.0
HIP FRACTURE	76	10.5	6.7	5.4	13.2	11.8	6.6	18.4	15.3	5.7
SEPSIS	31	22.6	28.4	*	35.5	37.0	*	41.9	41.8	*
PROCEDURES:										
ANGIOPLASTY	78	6.4	3.8	3.1	7.7	5.1	3.3	9.0	6.3	3.2
CORONARY ARTERY BYPASS GRAFT	77	6.5	5.7	3.0	7.8	8.1	3.1	9.1	8.9	3.3
INITIAL PACEMAKER INSERTION	30	6.7	2.6	*	10.0	5.1	*	10.0	7.4	*
CAROTID ENDARTERECTOMY	16	6.3	1.4	*	6.3	2.8	*	6.3	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	96	6.2	2.5	2.7	8.3	4.8	4.2	11.5	6.6	5.2
OPEN REDUCTION OF HIP FRACTURE	14	14.3	6.7	*	21.4	11.7	*	28.6	14.9	*
PROSTATECTOMY	63	0.0	0.9	1.4	0.0	2.0	2.5	3.2	3.5	2.6
CHOLECYSTECTOMY	75	6.7	3.1	3.2	10.7	4.9	4.2	12.0	6.0	4.4
HYSTERECTOMY	19	0.0	0.4	*	0.0	0.9	*	0.0	1.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 15,500

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.06	27.64	0.42	0.87	0.01	4.39	4.61	0.17	0.95	0.04
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.93	0.08	0.89	0.07					
CONGESTIVE HEART FAILURE	1.53	1.63	0.10	0.92	0.06					
PNEUMONIA/INFLUENZA	0.99	1.38	0.09	0.71	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.54	0.06	0.51	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.19	0.36	0.05	0.54	0.08					
STROKE	0.77	0.89	0.08	0.84	0.07					
HIP FRACTURE	0.48	0.63	0.06	0.74	0.08					
SEPSIS	0.34	0.34	0.05	0.90	0.13					
PROCEDURES:										
ANGIOPLASTY	0.46	0.29	0.04	1.54	0.24					
CORONARY ARTERY BYPASS GRAFT	0.57	0.39	0.05	1.52	0.20					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.04	0.95	0.19					
CAROTID ENDARTERECTOMY	0.06	0.13	0.03	0.46	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.48	0.06	1.13	0.14					
OPEN REDUCTION OF HIP FRACTURE	0.08	0.30	0.04	0.25	0.04					
PROSTATECTOMY	0.71	0.78	0.07	0.91	0.08					
CHOLECYSTECTOMY	0.58	0.47	0.05	1.20	0.15					
HYSTERECTOMY	0.15	0.19	0.03	0.89	0.19					

** QUANTITIES COULD NOT BE ESTIMATED

WI-(NONMSA) (99WI)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	42,495	9.0	9.1	0.1	13.3	13.8	0.2	16.5	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,449	27.8	28.5	1.2	32.1	31.7	1.9	34.2	34.5	1.4
CONGESTIVE HEART FAILURE	2,467	14.8	14.9	0.8	21.9	23.4	1.1	28.4	29.7	1.3
PNEUMONIA/INFLUENZA	2,466	12.5	15.6	1.0	18.0	21.5	1.2	22.7	25.6	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	567	7.9	7.5	1.1	12.3	13.4	1.6	16.6	18.1	2.1
TRANSIENT CEREBRAL ISCHEMIA	614	1.8	1.7	0.6	4.9	4.0	1.0	7.2	6.5	1.3
STROKE	1,738	20.8	19.6	1.9	28.3	26.1	2.3	31.8	30.1	2.0
HIP FRACTURE	1,187	7.4	6.9	0.8	11.3	12.3	1.0	14.2	16.0	1.2
SEPSIS	605	18.7	25.6	2.5	26.8	33.4	2.9	31.7	38.2	2.8
PROCEDURES:										
ANGIOPLASTY	87	2.3	3.5	3.1	2.3	4.5	3.8	2.3	5.5	4.6
CORONARY ARTERY BYPASS GRAFT	147	4.1	5.7	2.4	8.2	8.0	2.8	8.2	9.0	2.9
INITIAL PACEMAKER INSERTION	156	4.5	3.9	1.9	9.0	7.0	2.9	11.5	9.8	3.1
CAROTID ENDARTERECTOMY	101	1.0	1.1	1.1	1.0	2.2	1.9	2.0	3.3	2.5
HIP REPLACEMENT/RECONSTRUCTION	905	3.9	3.5	0.8	5.5	6.5	0.9	7.2	8.8	1.3
OPEN REDUCTION OF HIP FRACTURE	472	5.7	6.4	1.2	9.1	11.7	1.9	12.7	15.5	2.3
PROSTATECTOMY	1,501	1.2	1.0	0.4	2.3	2.3	0.4	4.0	3.9	0.5
CHOLECYSTECTOMY	901	3.2	2.5	0.8	5.1	4.7	0.8	6.1	6.2	0.8
HYSTERECTOMY	395	0.3	0.5	0.4	0.3	1.1	0.7	0.5	1.8	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 290,962

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.16	28.55	0.10	0.99	0.00	4.59	4.70	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.97	0.02	1.03	0.02					
CONGESTIVE HEART FAILURE	1.70	1.67	0.02	1.02	0.01					
PNEUMONIA/INFLUENZA	1.31	1.53	0.02	0.86	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.40	0.57	0.01	0.71	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.37	0.01	0.96	0.03					
STROKE	0.94	0.93	0.02	1.00	0.02					
HIP FRACTURE	0.63	0.65	0.01	0.95	0.02					
SEPSIS	0.36	0.34	0.01	1.05	0.04					
PROCEDURES:										
ANGIOPLASTY	0.26	0.29	0.01	0.85	0.03					
CORONARY ARTERY BYPASS GRAFT	0.37	0.40	0.01	0.93	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.81	0.04					
CAROTID ENDARTERECTOMY	0.11	0.13	0.01	0.88	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.58	0.50	0.01	1.15	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.01	0.84	0.03					
PROSTATECTOMY	0.85	0.84	0.02	1.02	0.02					
CHOLECYSTECTOMY	0.48	0.50	0.01	0.97	0.03					
HYSTERECTOMY	0.21	0.19	0.01	1.16	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

CHARLESTON, WV (1480)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	11,800	8.7	8.4	0.3	13.4	12.7	0.5	16.3	15.8	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	481	24.5	23.3	2.5	27.9	26.5	2.6	30.4	29.2	2.3
CONGESTIVE HEART FAILURE	479	16.5	14.8	2.0	26.3	23.5	2.6	31.5	29.9	2.3
PNEUMONIA/INFLUENZA	387	17.1	15.6	3.1	24.3	21.4	3.8	28.4	25.2	4.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	230	8.3	7.0	2.2	14.8	12.1	3.1	19.6	16.3	3.6
TRANSIENT CEREBRAL ISCHEMIA	185	1.6	1.4	0.9	3.2	3.2	1.3	6.5	5.3	2.0
STROKE	383	22.7	19.2	3.0	28.5	25.6	2.8	31.9	29.3	2.9
HIP FRACTURE	314	5.4	6.4	1.6	9.6	11.3	2.5	12.7	14.7	3.4
SEPSIS	117	26.5	23.3	6.3	35.0	31.2	5.8	39.3	35.9	5.3
PROCEDURES:										
ANGIOPLASTY	219	3.7	2.6	1.7	4.1	3.5	1.6	5.0	4.3	1.5
CORONARY ARTERY BYPASS GRAFT	312	2.6	6.4	1.9	4.2	9.1	2.2	5.1	10.3	2.3
INITIAL PACEMAKER INSERTION	100	3.0	3.4	2.0	8.0	6.7	3.4	10.0	9.5	3.7
CAROTID ENDARTERECTOMY	78	0.0	1.4	1.8	0.0	2.7	2.8	1.3	4.0	2.9
HIP REPLACEMENT/RECONSTRUCTION	210	2.4	3.3	1.4	5.2	5.9	1.8	6.2	7.9	2.5
OPEN REDUCTION OF HIP FRACTURE	148	4.1	5.8	2.1	6.8	10.6	3.2	9.5	14.1	4.1
PROSTATECTOMY	295	1.0	0.9	0.6	2.0	2.2	0.9	4.4	3.7	1.3
CHOLECYSTECTOMY	262	1.9	2.6	1.2	5.7	4.6	2.0	5.7	6.0	1.5
HYSTERECTOMY	98	1.0	0.6	1.0	2.0	1.3	1.5	3.1	2.1	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 44,337

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	31.13	30.29	0.26	1.03	0.01	4.70	4.60	0.10	1.02	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.14	0.97	0.05	1.16	0.06					
CONGESTIVE HEART FAILURE	1.69	1.83	0.06	0.91	0.03					
PNEUMONIA/INFLUENZA	1.21	1.52	0.06	0.78	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.74	0.68	0.04	1.05	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.50	0.43	0.03	1.11	0.08					
STROKE	1.05	0.95	0.05	1.09	0.05					
HIP FRACTURE	0.68	0.59	0.04	1.14	0.07					
SEPSIS	0.36	0.36	0.03	0.89	0.07					
PROCEDURES:										
ANGIOPLASTY	0.34	0.30	0.03	1.03	0.09					
CORONARY ARTERY BYPASS GRAFT	0.52	0.42	0.03	1.25	0.10					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.02	1.13	0.14					
CAROTID ENDARTERECTOMY	0.17	0.14	0.02	1.06	0.15					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.43	0.03	0.90	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.28	0.02	1.25	0.12					
PROSTATECTOMY	0.70	0.73	0.04	0.97	0.06					
CHOLECYSTECTOMY	0.60	0.51	0.03	1.16	0.08					
HYSTERECTOMY	0.20	0.18	0.02	1.17	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

CUMBERLAND, MD-W VA (1900)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	9,987	8.9	9.7	0.3	13.7	14.6	0.4	16.9	18.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	304	28.6	28.5	3.0	32.2	31.6	3.6	34.9	34.3	3.5
CONGESTIVE HEART FAILURE	554	13.2	15.0	1.9	23.5	23.6	1.8	29.4	29.8	2.0
PNEUMONIA/INFLUENZA	415	14.5	16.6	2.8	20.2	22.8	3.7	24.1	26.8	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	148	9.5	9.1	2.4	15.5	15.8	3.1	19.6	20.6	3.5
TRANSIENT CEREBRAL ISCHEMIA	153	2.6	1.8	2.1	7.8	4.0	2.9	11.1	6.5	3.6
STROKE	395	19.2	19.9	2.6	24.1	27.0	3.4	27.3	30.8	3.8
HIP FRACTURE	209	4.8	6.6	2.8	9.1	11.7	3.2	15.3	15.3	3.4
SEPSIS	136	22.8	27.8	6.1	33.8	36.9	5.4	42.6	42.0	5.1
PROCEDURES:										
ANGIOPLASTY	161	3.7	1.9	1.4	6.2	2.8	1.7	7.5	3.7	1.8
CORONARY ARTERY BYPASS GRAFT	136	2.2	6.0	2.5	5.9	8.9	2.9	7.4	10.2	2.9
INITIAL PACEMAKER INSERTION	65	3.1	3.2	2.3	10.8	6.3	6.6	10.8	9.2	6.5
CAROTID ENDARTERECTOMY	45	6.7	1.7	*	11.1	3.2	*	11.1	4.6	*
HIP REPLACEMENT/RECONSTRUCTION	162	2.5	3.0	1.5	4.3	5.5	2.0	7.4	7.4	2.3
OPEN REDUCTION OF HIP FRACTURE	98	6.1	6.2	2.5	9.2	11.3	3.7	16.3	15.1	4.4
PROSTATECTOMY	190	1.6	1.4	1.6	5.3	3.2	1.9	6.8	5.2	1.9
CHOLECYSTECTOMY	172	4.7	2.9	1.8	7.0	5.2	2.1	7.0	6.8	2.0
HYSTERECTOMY	43	0.0	0.7	*	0.0	1.6	*	0.0	2.5	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 20,724

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	43.45	31.29	0.39	1.39	0.02	4.80	4.60	0.15	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.54	1.06	0.07	1.44	0.10					
CONGESTIVE HEART FAILURE	3.35	1.92	0.10	1.74	0.09					
PNEUMONIA/INFLUENZA	1.94	1.59	0.09	1.22	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.93	0.70	0.06	1.27	0.11					
TRANSIENT CEREBRAL ISCHEMIA	0.52	0.47	0.05	1.01	0.11					
STROKE	1.48	0.98	0.07	1.50	0.11					
HIP FRACTURE	0.69	0.64	0.06	1.04	0.09					
SEPSIS	0.63	0.35	0.04	1.85	0.23					
PROCEDURES:										
ANGIOPLASTY	0.23	0.30	0.04	0.79	0.11					
CORONARY ARTERY BYPASS GRAFT	0.52	0.44	0.05	1.11	0.12					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.03	0.96	0.16					
CAROTID ENDARTERECTOMY	0.11	0.16	0.03	0.70	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.54	0.48	0.05	1.10	0.12					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.29	0.04	0.84	0.12					
PROSTATECTOMY	0.55	0.78	0.06	0.68	0.05					
CHOLECYSTECTOMY	0.53	0.56	0.05	0.93	0.09					
HYSTERECTOMY	0.09	0.20	0.03	0.39	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

HUNTINGTON-ASHLAND, WV-KY-OH (3400)
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	11,384	9.1	9.0	0.3	13.4	13.3	0.5	16.5	16.5	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	458	25.3	25.7	2.4	29.5	28.7	2.6	32.1	31.5	2.6
CONGESTIVE HEART FAILURE	513	11.9	14.5	2.2	19.7	22.7	3.1	25.9	28.8	3.0
PNEUMONIA/INFLUENZA	657	16.9	16.2	2.2	24.8	22.3	3.3	29.2	26.3	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	193	7.8	5.7	2.4	11.9	10.5	2.9	15.0	14.5	3.0
TRANSIENT CEREBRAL ISCHEMIA	199	1.5	1.5	0.9	5.0	3.5	1.7	7.5	5.7	2.4
STROKE	411	21.4	20.6	2.7	25.3	26.4	3.2	28.5	30.1	3.0
HIP FRACTURE	263	7.6	6.2	2.5	12.2	11.0	3.7	17.9	14.4	4.5
SEPSIS	147	22.4	28.9	6.9	29.3	36.2	7.4	38.1	40.9	7.7
PROCEDURES:										
ANGIOPLASTY	48	10.4	3.6	*	10.4	4.4	*	10.4	5.2	*
CORONARY ARTERY BYPASS GRAFT	89	6.7	4.9	3.5	9.0	6.6	4.2	11.2	7.6	4.7
INITIAL PACEMAKER INSERTION	63	1.6	2.3	2.3	1.6	4.6	3.6	1.6	6.7	5.0
CAROTID ENDARTERECTOMY	73	1.4	1.1	2.1	4.1	2.1	2.9	5.5	3.3	3.4
HIP REPLACEMENT/RECONSTRUCTION	161	3.1	3.7	1.7	5.6	6.7	2.2	8.1	9.0	2.4
OPEN REDUCTION OF HIP FRACTURE	110	4.5	5.1	2.2	7.3	9.3	3.6	12.7	12.6	3.8
PROSTATECTOMY	287	1.0	1.0	1.0	3.1	2.4	1.5	5.2	4.1	2.0
CHOLECYSTECTOMY	219	3.7	2.6	1.8	5.5	4.8	1.8	7.3	6.5	1.8
HYSTERECTOMY	77	2.6	0.7	2.2	2.6	1.7	1.8	3.9	2.7	2.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 53,775

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.88	31.73	0.24	1.04	0.01	4.90	4.65	0.09	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.33	1.04	0.04	1.27	0.05					
CONGESTIVE HEART FAILURE	1.84	1.92	0.06	0.96	0.03					
PNEUMONIA/INFLUENZA	1.87	1.74	0.06	1.08	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.79	0.04	0.90	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.47	0.03	1.12	0.07					
STROKE	1.08	0.97	0.04	1.12	0.05					
HIP FRACTURE	0.62	0.62	0.03	1.02	0.06					
SEPSIS	0.45	0.36	0.03	1.31	0.10					
PROCEDURES:										
ANGIOPLASTY	0.18	0.31	0.02	0.52	0.04					
CORONARY ARTERY BYPASS GRAFT	0.34	0.43	0.03	0.78	0.05					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.02	1.00	0.11					
CAROTID ENDARTERECTOMY	0.15	0.16	0.02	1.00	0.12					
HIP REPLACEMENT/RECONSTRUCTION	0.38	0.45	0.03	0.82	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.02	0.94	0.08					
PROSTATECTOMY	0.63	0.74	0.04	0.85	0.04					
CHOLECYSTECTOMY	0.50	0.56	0.03	0.89	0.05					
HYSTERECTOMY	0.17	0.19	0.02	0.91	0.10					

** QUANTITIES COULD NOT BE ESTIMATED

PARKERSBURG-MARIETTA, WV-OH (6020)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,809	9.7	9.1	0.5	14.3	13.8	0.6	17.6	17.3	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	222	24.3	28.0	6.2	27.9	31.1	6.9	29.3	34.0	6.9
CONGESTIVE HEART FAILURE	392	17.9	15.7	3.3	27.0	24.7	2.9	33.9	31.1	3.0
PNEUMONIA/INFLUENZA	401	20.9	17.7	3.7	27.9	24.0	4.2	31.2	28.1	3.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	177	7.9	7.6	2.1	14.7	13.3	2.9	17.5	17.7	2.9
TRANSIENT CEREBRAL ISCHEMIA	115	3.5	2.2	1.7	6.1	4.9	2.6	6.1	7.8	3.1
STROKE	242	23.6	20.8	3.7	27.7	27.3	3.2	32.2	31.2	3.1
HIP FRACTURE	168	6.5	6.6	2.3	12.5	11.7	2.5	17.9	15.1	3.3
SEPSIS	74	18.9	24.8	6.5	25.7	34.0	8.6	35.1	39.1	10.5
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	16	6.3	5.1	*	6.3	9.7	*	6.3	13.7	*
CAROTID ENDARTERECTOMY	27	3.7	1.2	*	3.7	2.2	*	7.4	3.4	*
HIP REPLACEMENT/RECONSTRUCTION	138	2.9	3.2	1.5	5.1	5.9	2.2	7.2	7.9	2.4
OPEN REDUCTION OF HIP FRACTURE	66	6.1	6.2	3.0	12.1	11.1	4.6	18.2	14.7	6.1
PROSTATECTOMY	280	1.8	1.2	0.8	3.6	2.7	1.2	4.3	4.6	1.4
CHOLECYSTECTOMY	181	4.4	2.6	2.0	9.4	5.1	3.2	9.9	7.1	3.3
HYSTERECTOMY	74	0.0	1.0	1.4	0.0	1.9	2.1	0.0	2.9	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 25,021

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.57	29.96	0.35	1.19	0.01	4.93	4.74	0.14	1.04	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.22	1.00	0.06	1.26	0.08					
CONGESTIVE HEART FAILURE	2.35	1.81	0.09	1.29	0.06					
PNEUMONIA/INFLUENZA	2.06	1.54	0.08	1.35	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.02	0.64	0.05	1.60	0.13					
TRANSIENT CEREBRAL ISCHEMIA	0.57	0.42	0.04	1.41	0.14					
STROKE	1.00	0.94	0.06	1.05	0.07					
HIP FRACTURE	0.64	0.66	0.05	0.95	0.08					
SEPSIS	0.44	0.35	0.04	1.31	0.15					
PROCEDURES:										
ANGIOPLASTY	0.19	0.29	0.03	0.59	0.07					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.04	0.86	0.09					
INITIAL PACEMAKER INSERTION	0.11	0.20	0.03	0.49	0.08					
CAROTID ENDARTERECTOMY	0.15	0.14	0.02	1.17	0.22					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.48	0.04	1.02	0.10					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.31	0.03	0.70	0.09					
PROSTATECTOMY	1.12	0.75	0.05	1.49	0.11					
CHOLECYSTECTOMY	0.67	0.51	0.04	1.32	0.12					
HYSTERECTOMY	0.27	0.19	0.03	1.46	0.24					

** QUANTITIES COULD NOT BE ESTIMATED

STEUBENVILLE-WEIRTON, OH-WV (8080)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	5,251	8.6	8.5	0.4	13.8	12.9	0.6	16.9	16.1	0.6
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	116	31.0	25.8	5.0	34.5	29.0	5.2	36.2	31.6	5.0
CONGESTIVE HEART FAILURE	421	17.1	14.5	2.1	26.1	22.9	3.0	33.5	29.0	3.5
PNEUMONIA/INFLUENZA	270	15.2	14.4	2.3	21.1	19.9	2.7	24.4	23.3	2.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	175	5.1	7.7	2.9	12.0	13.7	3.0	16.6	18.2	3.3
TRANSIENT CEREBRAL ISCHEMIA	153	3.3	1.8	1.9	6.5	4.1	3.1	8.5	6.7	3.2
STROKE	166	25.3	21.5	3.7	32.5	27.4	4.9	34.9	31.2	5.5
HIP FRACTURE	76	5.3	5.9	3.6	6.6	10.5	5.7	6.6	13.5	7.6
SEPSIS	49	22.4	26.4	*	28.6	34.6	*	34.7	39.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	25	8.0	5.7	*	16.0	10.4	*	16.0	14.2	*
CAROTID ENDARTERECTOMY	37	0.0	1.6	*	0.0	3.1	*	0.0	4.4	*
HIP REPLACEMENT/RECONSTRUCTION	23	4.3	3.4	*	4.3	6.1	*	4.3	8.1	*
OPEN REDUCTION OF HIP FRACTURE	47	6.4	5.4	*	8.5	9.9	*	8.5	13.0	*
PROSTATECTOMY	160	1.9	1.1	1.1	2.5	2.6	1.4	5.0	4.5	1.8
CHOLECYSTECTOMY	82	3.7	2.9	2.5	4.9	5.2	2.6	8.5	6.6	3.5
HYSTERECTOMY	32	0.0	0.3	*	0.0	0.8	*	0.0	1.4	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 27,268

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	40.19	30.65	0.33	1.31	0.01	4.87	4.43	0.13	1.10	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	1.03	0.06	0.99	0.06					
CONGESTIVE HEART FAILURE	3.25	1.87	0.08	1.73	0.08					
PNEUMONIA/INFLUENZA	1.64	1.51	0.07	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.49	0.71	0.05	2.06	0.15					
TRANSIENT CEREBRAL ISCHEMIA	0.88	0.46	0.04	1.90	0.18					
STROKE	1.07	0.96	0.06	1.11	0.07					
HIP FRACTURE	0.50	0.58	0.05	0.90	0.07					
SEPSIS	0.43	0.36	0.04	1.16	0.13					
PROCEDURES:										
ANGIOPLASTY	0.44	0.32	0.04	1.40	0.16					
CORONARY ARTERY BYPASS GRAFT	0.42	0.46	0.04	0.87	0.08					
INITIAL PACEMAKER INSERTION	0.18	0.21	0.03	0.84	0.12					
CAROTID ENDARTERECTOMY	0.24	0.17	0.03	1.47	0.24					
HIP REPLACEMENT/RECONSTRUCTION	0.32	0.45	0.04	0.73	0.07					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.03	1.17	0.15					
PROSTATECTOMY	0.95	0.79	0.05	1.19	0.08					
CHOLECYSTECTOMY	0.46	0.56	0.04	0.84	0.07					
HYSTERECTOMY	0.18	0.19	0.03	0.96	0.15					

** QUANTITIES COULD NOT BE ESTIMATED

WHEELING, WV-OH (9000)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	8,891	8.2	9.1	0.4	12.9	13.8	0.4	16.0	17.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	261	31.4	26.0	5.5	35.2	29.3	5.8	37.9	32.1	5.7
CONGESTIVE HEART FAILURE	554	13.4	14.4	1.8	21.8	22.9	2.5	26.5	29.1	3.3
PNEUMONIA/INFLUENZA	468	13.0	14.6	2.2	16.9	20.1	3.2	20.9	23.8	3.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	228	3.5	7.6	2.5	9.2	13.5	3.5	11.8	18.0	3.8
TRANSIENT CEREBRAL ISCHEMIA	200	1.5	1.8	1.4	4.5	4.0	3.1	5.0	6.4	3.1
STROKE	299	15.4	18.3	3.4	24.1	24.3	2.6	28.8	28.0	2.7
HIP FRACTURE	210	3.8	6.6	3.2	8.6	11.6	4.3	12.9	15.0	4.4
SEPSIS	85	17.6	32.3	7.5	24.7	40.0	7.9	32.9	44.4	7.9
PROCEDURES:										
ANGIOPLASTY	1	0.0	13.1	*	0.0	14.1	*	0.0	14.9	*
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	45	6.7	3.7	*	6.7	7.3	*	6.7	10.8	*
CAROTID ENDARTERECTOMY	54	3.7	1.3	3.2	7.4	2.4	5.3	7.4	3.6	5.8
HIP REPLACEMENT/RECONSTRUCTION	100	0.0	3.9	4.2	1.0	7.0	6.4	5.0	9.2	4.8
OPEN REDUCTION OF HIP FRACTURE	126	4.8	5.7	2.9	8.7	10.4	4.2	11.9	13.7	4.8
PROSTATECTOMY	264	1.1	1.0	1.0	3.0	2.2	1.6	4.2	3.7	2.6
CHOLECYSTECTOMY	150	5.3	2.4	2.2	9.3	4.2	2.8	10.0	5.6	2.8
HYSTERECTOMY	62	1.6	0.4	1.4	1.6	0.9	1.4	1.6	1.4	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 32,438

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.01	31.28	0.31	1.15	0.01	4.85	4.64	0.12	1.05	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.09	1.05	0.06	1.03	0.06					
CONGESTIVE HEART FAILURE	2.73	1.92	0.08	1.40	0.06					
PNEUMONIA/INFLUENZA	1.74	1.59	0.07	1.10	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	1.09	0.70	0.05	1.53	0.10					
TRANSIENT CEREBRAL ISCHEMIA	0.72	0.47	0.04	1.48	0.12					
STROKE	1.11	0.98	0.05	1.13	0.06					
HIP FRACTURE	0.65	0.65	0.04	0.96	0.07					
SEPSIS	0.35	0.36	0.03	1.04	0.10					
PROCEDURES:										
ANGIOPLASTY	0.25	0.30	0.03	0.81	0.09					
CORONARY ARTERY BYPASS GRAFT	0.28	0.43	0.04	0.64	0.06					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.03	1.02	0.13					
CAROTID ENDARTERECTOMY	0.17	0.16	0.02	1.05	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.48	0.04	0.72	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.36	0.30	0.03	1.19	0.13					
PROSTATECTOMY	0.85	0.76	0.05	1.12	0.07					
CHOLECYSTECTOMY	0.50	0.55	0.04	0.91	0.07					
HYSTERECTOMY	0.17	0.20	0.02	0.85	0.12					

** QUANTITIES COULD NOT BE ESTIMATED

WV-(NONMSA) (99WV)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	35,318	9.6	9.3	0.2	14.4	14.0	0.2	17.8	17.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,258	23.7	26.0	2.0	27.7	29.1	2.2	30.0	31.8	2.3
CONGESTIVE HEART FAILURE	1,973	16.6	14.3	1.2	25.5	22.6	1.4	31.9	28.8	1.4
PNEUMONIA/INFLUENZA	2,165	15.4	15.7	0.8	21.4	21.6	1.0	25.3	25.5	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	750	5.6	7.1	1.5	12.4	12.8	1.4	16.8	17.3	1.4
TRANSIENT CEREBRAL ISCHEMIA	588	2.0	1.9	1.2	5.3	4.2	1.6	7.8	6.7	2.0
STROKE	1,222	22.7	20.0	1.5	28.6	26.3	1.4	32.8	30.2	1.6
HIP FRACTURE	792	5.6	6.6	1.1	9.1	11.6	1.8	12.5	15.1	1.9
SEPSIS	430	21.4	24.3	4.0	30.0	32.6	4.7	35.1	37.3	4.6
PROCEDURES:										
ANGIOPLASTY	102	4.9	3.0	2.4	6.9	4.2	4.4	9.8	5.2	5.1
CORONARY ARTERY BYPASS GRAFT	129	5.4	5.5	2.0	8.5	7.7	2.6	8.5	8.7	2.6
INITIAL PACEMAKER INSERTION	160	3.8	3.4	1.5	5.0	6.5	2.5	8.7	9.2	3.4
CAROTID ENDARTERECTOMY	143	0.7	1.5	1.2	2.1	2.8	1.6	2.1	4.1	2.3
HIP REPLACEMENT/RECONSTRUCTION	513	3.9	4.0	1.1	7.6	7.3	1.2	9.4	9.7	1.5
OPEN REDUCTION OF HIP FRACTURE	373	4.3	6.3	1.7	6.7	11.5	2.9	10.2	15.1	3.1
PROSTATECTOMY	1,042	1.3	0.9	0.5	2.5	2.2	0.5	4.0	3.7	0.6
CHOLECYSTECTOMY	751	2.5	2.4	0.6	4.7	4.3	1.0	5.2	5.7	1.0
HYSTERECTOMY	265	1.1	0.6	0.9	1.9	1.4	1.3	2.6	2.2	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 206,376

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.96	33.32	0.13	1.02	0.00	4.81	4.72	0.05	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.19	1.08	0.02	1.09	0.02					
CONGESTIVE HEART FAILURE	2.05	1.97	0.03	1.03	0.02					
PNEUMONIA/INFLUENZA	1.89	1.94	0.03	0.97	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.84	0.88	0.02	0.92	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.49	0.48	0.02	0.99	0.03					
STROKE	1.03	1.01	0.02	1.02	0.02					
HIP FRACTURE	0.62	0.61	0.02	1.03	0.03					
SEPSIS	0.37	0.36	0.01	0.99	0.04					
PROCEDURES:										
ANGIOPLASTY	0.28	0.31	0.01	0.96	0.04					
CORONARY ARTERY BYPASS GRAFT	0.39	0.42	0.01	0.92	0.03					
INITIAL PACEMAKER INSERTION	0.17	0.19	0.01	0.86	0.05					
CAROTID ENDARTERECTOMY	0.15	0.16	0.01	0.88	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.44	0.01	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.28	0.01	**	**					
PROSTATECTOMY	0.79	0.76	0.02	1.07	0.03					
CHOLECYSTECTOMY	0.56	0.58	0.02	0.95	0.03					
HYSTERECTOMY	0.18	0.18	0.01	1.02	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

CASPER, WY (1350)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,594	8.2	8.1	0.7	12.5	12.3	1.0	15.1	15.3	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	65	9.2	23.6	7.7	13.8	26.8	8.3	15.4	29.5	7.9
CONGESTIVE HEART FAILURE	58	10.3	13.0	5.5	13.8	20.9	8.4	27.6	26.7	6.7
PNEUMONIA/INFLUENZA	62	14.5	16.4	5.0	21.0	23.3	6.4	22.6	27.3	6.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	40	10.0	6.4	*	15.0	11.7	*	20.0	15.7	*
TRANSIENT CEREBRAL ISCHEMIA	5	0.0	1.2	*	20.0	3.0	*	20.0	5.3	*
STROKE	42	28.6	19.1	*	28.6	24.9	*	31.0	28.6	*
HIP FRACTURE	41	9.8	7.0	*	17.1	12.8	*	19.5	16.7	*
SEPSIS	17	47.1	25.3	*	52.9	33.5	*	58.8	38.5	*
PROCEDURES:										
ANGIOPLASTY	63	3.2	3.7	3.4	3.2	4.5	3.0	4.8	5.5	2.9
CORONARY ARTERY BYPASS GRAFT	64	6.3	5.7	3.9	9.4	8.3	3.5	9.4	9.4	3.7
INITIAL PACEMAKER INSERTION	15	6.7	2.2	*	6.7	4.6	*	6.7	6.9	*
CAROTID ENDARTERECTOMY	20	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	32	3.1	3.8	*	6.3	7.1	*	9.4	9.5	*
OPEN REDUCTION OF HIP FRACTURE	19	10.5	6.2	*	21.1	11.6	*	21.1	15.6	*
PROSTATECTOMY	58	5.2	0.7	4.1	5.2	1.7	3.5	6.9	3.0	5.1
CHOLECYSTECTOMY	57	10.5	3.8	6.4	14.0	6.3	7.2	14.0	8.1	6.7
HYSTERECTOMY	14	0.0	0.2	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 7,487

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.33	28.05	0.61	0.94	0.02	4.13	4.41	0.24	0.94	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.93	0.11	0.72	0.09					
CONGESTIVE HEART FAILURE	1.16	1.66	0.15	0.69	0.06					
PNEUMONIA/INFLUENZA	1.18	1.36	0.13	0.84	0.08					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.87	0.61	0.09	1.40	0.21					
TRANSIENT CEREBRAL ISCHEMIA	0.12	0.39	0.07	0.26	0.05					
STROKE	0.65	0.87	0.11	0.74	0.09					
HIP FRACTURE	0.55	0.57	0.09	1.01	0.16					
SEPSIS	0.28	0.34	0.07	0.81	0.17					
PROCEDURES:										
ANGIOPLASTY	0.61	0.32	0.07	1.80	0.39					
CORONARY ARTERY BYPASS GRAFT	0.56	0.43	0.08	1.36	0.25					
INITIAL PACEMAKER INSERTION	0.23	0.19	0.05	1.20	0.35					
CAROTID ENDARTERECTOMY	0.32	0.14	0.05	2.02	0.69					
HIP REPLACEMENT/RECONSTRUCTION	0.48	0.44	0.08	1.17	0.21					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.27	0.06	0.88	0.21					
PROSTATECTOMY	0.87	0.76	0.10	1.13	0.15					
CHOLECYSTECTOMY	0.84	0.49	0.08	1.73	0.30					
HYSTERECTOMY	0.19	0.18	0.05	1.01	0.30					

** QUANTITIES COULD NOT BE ESTIMATED

CHEYENNE, WY (1580)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	1,912	8.9	8.0	0.8	12.7	12.4	0.8	15.7	15.6	0.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	48	20.8	27.2	*	22.9	29.6	*	27.1	32.2	*
CONGESTIVE HEART FAILURE	80	15.0	14.6	4.3	20.0	23.0	5.6	31.3	28.6	6.4
PNEUMONIA/INFLUENZA	70	25.7	13.9	6.8	32.9	19.7	7.1	40.0	23.8	8.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	60	16.7	7.8	5.6	23.3	13.5	6.8	23.3	17.8	5.7
TRANSIENT CEREBRAL ISCHEMIA	32	0.0	1.4	*	0.0	3.2	*	3.1	5.2	*
STROKE	43	23.3	19.9	*	30.2	25.5	*	32.6	29.4	*
HIP FRACTURE	38	2.6	5.6	*	5.3	10.6	*	7.9	14.1	*
SEPSIS	11	27.3	19.7	*	36.4	27.4	*	45.5	32.2	*
PROCEDURES:										
ANGIOPLASTY	12	0.0	4.2	*	0.0	5.1	*	0.0	6.1	*
CORONARY ARTERY BYPASS GRAFT	17	0.0	5.0	*	0.0	7.2	*	5.9	8.2	*
INITIAL PACEMAKER INSERTION	5	0.0	1.9	*	0.0	4.1	*	0.0	6.4	*
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	28	7.1	3.3	*	10.7	6.4	*	14.3	8.9	*
OPEN REDUCTION OF HIP FRACTURE	18	0.0	5.1	*	0.0	9.9	*	0.0	13.4	*
PROSTATECTOMY	42	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
CHOLECYSTECTOMY	19	0.0	1.8	*	0.0	3.1	*	0.0	3.8	*
HYSTERECTOMY	20	0.0	0.3	*	0.0	0.8	*	0.0	1.3	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 8,703

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.56	28.01	0.57	1.13	0.02	4.56	4.52	0.23	1.00	0.05
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.92	0.10	0.79	0.09					
CONGESTIVE HEART FAILURE	1.48	1.66	0.14	0.89	0.07					
PNEUMONIA/INFLUENZA	1.24	1.36	0.13	0.93	0.09					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.98	0.56	0.08	1.67	0.24					
TRANSIENT CEREBRAL ISCHEMIA	0.47	0.38	0.07	1.25	0.23					
STROKE	0.69	0.90	0.10	0.77	0.09					
HIP FRACTURE	0.74	0.61	0.08	1.21	0.17					
SEPSIS	0.26	0.34	0.06	0.79	0.15					
PROCEDURES:										
ANGIOPLASTY	0.21	0.29	0.06	0.71	0.15					
CORONARY ARTERY BYPASS GRAFT	0.28	0.39	0.07	0.70	0.12					
INITIAL PACEMAKER INSERTION	0.06	0.20	0.05	0.11	0.03					
CAROTID ENDARTERECTOMY	0.03	0.13	0.04	0.19	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.62	0.46	0.07	1.39	0.23					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.06	1.09	0.23					
PROSTATECTOMY	0.64	0.74	0.09	0.88	0.11					
CHOLECYSTECTOMY	0.32	0.48	0.07	0.67	0.11					
HYSTERECTOMY	0.24	0.19	0.05	1.24	0.34					

** QUANTITIES COULD NOT BE ESTIMATED

WY-(NONMSA) (99WY)

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,257	8.3	7.7	0.5	12.6	11.9	0.5	15.8	15.1	0.7
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	172	26.7	23.3	4.5	29.1	26.2	4.4	30.8	29.0	3.8
CONGESTIVE HEART FAILURE	287	11.1	12.7	2.1	17.1	20.3	3.0	22.6	26.2	3.6
PNEUMONIA/INFLUENZA	449	10.7	13.0	2.7	16.9	18.1	2.8	20.3	21.6	2.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	136	8.1	7.3	3.2	14.7	12.9	4.0	18.4	17.1	3.6
TRANSIENT CEREBRAL ISCHEMIA	80	1.2	1.9	1.6	5.0	4.4	2.3	8.7	7.4	3.2
STROKE	191	26.7	18.0	4.3	31.9	24.2	4.1	36.1	28.1	3.9
HIP FRACTURE	154	7.8	5.4	3.1	14.3	9.6	4.8	18.8	12.8	5.4
SEPSIS	70	24.3	24.8	6.2	31.4	32.1	7.4	35.7	36.9	7.7
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	18	5.6	3.1	*	5.6	6.4	*	5.6	9.5	*
CAROTID ENDARTERECTOMY	1	0.0	0.6	*	0.0	1.3	*	0.0	2.3	*
HIP REPLACEMENT/RECONSTRUCTION	83	6.0	2.8	3.7	10.8	5.0	4.7	12.0	6.9	4.7
OPEN REDUCTION OF HIP FRACTURE	87	3.4	4.6	2.5	8.0	8.5	3.1	13.8	11.7	3.9
PROSTATECTOMY	178	0.0	0.8	0.9	0.0	2.0	1.8	2.8	3.5	1.7
CHOLECYSTECTOMY	127	1.6	2.0	1.7	1.6	3.6	2.2	1.6	4.8	2.7
HYSTERECTOMY	56	1.8	0.6	1.5	1.8	1.4	1.6	5.4	2.3	3.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 38,019

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.22	28.29	0.27	1.14	0.01	4.42	4.54	0.11	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.96	0.05	1.02	0.06					
CONGESTIVE HEART FAILURE	1.55	1.63	0.07	0.96	0.04					
PNEUMONIA/INFLUENZA	1.78	1.47	0.06	1.23	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.58	0.04	1.23	0.09					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.37	0.03	0.97	0.09					
STROKE	0.77	0.90	0.05	0.87	0.05					
HIP FRACTURE	0.64	0.60	0.04	1.07	0.08					
SEPSIS	0.31	0.34	0.03	0.89	0.09					
PROCEDURES:										
ANGIOPLASTY	0.35	0.30	0.03	1.17	0.12					
CORONARY ARTERY BYPASS GRAFT	0.44	0.41	0.03	1.05	0.09					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.02	0.89	0.12					
CAROTID ENDARTERECTOMY	0.12	0.13	0.02	1.07	0.19					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.48	0.04	1.09	0.09					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.29	0.03	1.18	0.13					
PROSTATECTOMY	0.94	0.83	0.05	1.14	0.07					
CHOLECYSTECTOMY	0.54	0.50	0.04	1.06	0.08					
HYSTERECTOMY	0.24	0.19	0.02	1.16	0.17					

** QUANTITIES COULD NOT BE ESTIMATED

SECTION D

HOSPITALIZATION AND MORTALITY DATA FOR STATES

Hospitalization and Mortality Data for States

This section presents data on postadmission mortality rates (the upper of the two tables on each page) and on population-based probabilities of hospitalization and of death (the lower of the two tables) in the States identified in the heading of the table.

The upper tables have the form of, and were computed in the same manner as, the tables for individual hospitals, as described in Section A. Probabilities of death following admission were first computed for individual patients and were then aggregated to the level of the State. The State was that of the hospital to which the patient was admitted. These tables, therefore, provide a context in which the experience of hospitals can be evaluated. Thus, different inferences should be drawn if an unexpectedly high mortality rate observed in a hospital is or is not consistent with the pattern observed in its State. If it is, then a problem characteristic of the State, perhaps related to policies governing the management of the health care system, might be suggested. If it is not, then there is additional reason to suspect a problem specific to the hospital.

The lower tables were computed in the manner described in Section B. Because they are the results of a cross-sectional, rather than longitudinal, analysis and represent the experience of a population in a fiscal year, rather than the eventuation of an outcome (death) following an index event (a hospitalization), a single value each of the observed and predicted probability of admission or death is presented. All admissions, not just a selected admission as in the upper table, were used for the computation of probabilities of hospitalization. Similarly, all deaths of Medicare beneficiaries in the State were used in the calculation of the probability of death. Because the data represent the experience of a population, assignment of a person to a State is on the basis of that person's residence. In addition, because all deaths are included in the analyses and not only those that followed hospitalization, only probabilities of death without respect to reason for hospitalization were computed. "Eligibles," displayed in the center of the lower tables, is the number of persons with Medicare eligibility during FY 1990. Two columns in the lower tables differ from those in the upper. "Relative Rate" is the ratio of the observed to predicted probability of admission or death. "SE" is the standard error of the Relative Rate.

ALL STATES
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	6,542,299	9.0	9.0	0.0	13.9	13.7	0.0	17.3	17.1	0.0
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	204,673	25.3	25.6	0.0	29.5	28.7	0.0	32.1	31.4	0.0
CONGESTIVE HEART FAILURE	335,426	14.3	14.4	0.0	22.9	22.8	0.0	29.2	29.0	0.0
PNEUMONIA/INFLUENZA	313,303	15.3	15.5	0.0	21.5	21.3	0.0	25.5	25.1	0.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	107,387	8.0	8.0	0.0	14.1	14.0	0.0	18.7	18.5	0.0
TRANSIENT CEREBRAL ISCHEMIA	96,866	1.8	1.8	0.0	4.0	4.0	0.0	6.4	6.5	0.0
STROKE	241,803	19.7	19.8	0.0	26.5	26.3	0.0	30.4	30.0	0.0
HIP FRACTURE	163,386	6.7	6.5	0.0	11.7	11.5	0.0	15.1	15.0	0.0
SEPSIS	80,999	25.6	25.7	0.0	34.6	33.8	0.0	39.8	38.6	0.0
PROCEDURES:										
ANGIOPLASTY	58,026	3.0	3.0	0.0	4.0	4.0	0.0	5.0	4.9	0.0
CORONARY ARTERY BYPASS GRAFT	80,798	6.0	5.7	0.0	8.3	8.1	0.0	9.5	9.2	0.0
INITIAL PACEMAKER INSERTION	49,642	3.2	3.3	0.0	6.5	6.3	0.0	9.1	9.1	0.0
CAROTID ENDARTERECTOMY	29,990	1.6	1.5	0.0	2.8	2.8	0.0	4.0	4.1	0.0
HIP REPLACEMENT/RECONSTRUCTION	122,156	3.4	3.2	0.0	6.2	5.9	0.0	8.1	8.0	0.0
OPEN REDUCTION OF HIP FRACTURE	80,075	6.1	6.0	0.0	11.2	11.0	0.0	14.5	14.5	0.0
PROSTATECTOMY	211,087	0.9	1.0	0.0	2.2	2.3	0.0	3.7	3.8	0.0
CHOLECYSTECTOMY	124,259	2.9	2.7	0.0	5.0	4.9	0.0	6.5	6.5	0.0
HYSTERECTOMY	53,905	0.7	0.7	0.0	1.4	1.5	0.0	2.2	2.4	0.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE:35,231,651

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.40	28.37	0.01	1.00		4.66	4.65	0.00	1.00	
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.88	0.00	1.00						
CONGESTIVE HEART FAILURE	1.73	1.73	0.00	1.00						
PNEUMONIA/INFLUENZA	1.32	1.32	0.00	1.00						
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.55	0.00	1.00						
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.38	0.00	1.00						
STROKE	0.94	0.94	0.00	1.00						
HIP FRACTURE	0.60	0.60	0.00	1.00						
SEPSIS	0.38	0.38	0.00	1.00						
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.00	1.00						
CORONARY ARTERY BYPASS GRAFT	0.38	0.38	0.00	1.00						
INITIAL PACEMAKER INSERTION	0.20	0.20	0.00	1.00						
CAROTID ENDARTERECTOMY	0.12	0.12	0.00	1.00						
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.44	0.00	1.00						
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.00	1.00						
PROSTATECTOMY	0.74	0.74	0.00	1.00						
CHOLECYSTECTOMY	0.44	0.44	0.00	1.00						
HYSTERECTOMY	0.18	0.18	0.00	1.00						

** QUANTITIES COULD NOT BE ESTIMATED

ALABAMA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	136,373	8.5	8.7	0.1	13.0	13.2	0.1	16.1	16.5	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,601	27.5	26.1	1.1	31.5	29.2	1.3	34.3	31.9	1.3
CONGESTIVE HEART FAILURE	6,419	14.1	13.5	0.7	22.1	21.7	0.6	27.6	27.7	0.7
PNEUMONIA/INFLUENZA	6,821	13.9	15.0	0.5	19.6	20.7	0.6	23.3	24.3	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,737	6.1	7.3	0.5	11.0	13.0	0.7	14.4	17.3	0.8
TRANSIENT CEREBRAL ISCHEMIA	2,301	1.7	1.8	0.3	4.0	4.0	0.4	6.1	6.4	0.6
STROKE	4,831	19.5	19.7	0.8	26.2	26.0	0.7	30.2	29.7	0.9
HIP FRACTURE	2,760	7.4	6.4	0.8	12.5	11.1	1.1	15.4	14.4	1.0
SEPSIS	1,726	26.8	25.2	1.2	34.9	33.2	1.8	39.5	37.9	1.8
PROCEDURES:										
ANGIOPLASTY	1,346	3.8	3.5	0.6	4.6	4.4	0.6	5.8	5.3	0.6
CORONARY ARTERY BYPASS GRAFT	1,789	6.6	5.9	0.8	9.5	8.2	1.2	10.6	9.3	1.3
INITIAL PACEMAKER INSERTION	871	3.1	3.2	1.1	6.1	6.4	1.6	8.6	9.3	1.6
CAROTID ENDARTERECTOMY	642	1.1	1.5	0.6	2.5	2.8	0.7	4.2	4.1	0.8
HIP REPLACEMENT/RECONSTRUCTION	1,900	4.2	3.4	0.8	7.1	6.3	1.0	9.1	8.5	0.9
OPEN REDUCTION OF HIP FRACTURE	1,410	6.1	5.7	0.7	10.7	10.2	0.9	13.5	13.5	0.9
PROSTATECTOMY	3,140	1.0	1.0	0.2	2.2	2.4	0.4	3.6	4.1	0.5
CHOLECYSTECTOMY	2,515	2.3	2.3	0.3	4.4	4.3	0.6	5.3	5.8	0.6
HYSTERECTOMY	959	0.6	0.5	0.4	1.5	1.2	0.7	2.3	1.9	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 614,496

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	35.85	31.90	0.07	1.12	0.00	4.86	4.87	0.03	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.92	0.01	1.03	0.01					
CONGESTIVE HEART FAILURE	1.99	2.04	0.02	0.98	0.01					
PNEUMONIA/INFLUENZA	1.74	1.54	0.02	1.13	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.83	0.66	0.01	1.24	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.55	0.45	0.01	1.20	0.02					
STROKE	1.17	1.08	0.01	1.08	0.01					
HIP FRACTURE	0.61	0.56	0.01	1.08	0.02					
SEPSIS	0.49	0.44	0.01	1.10	0.02					
PROCEDURES:										
ANGIOPLASTY	0.37	0.27	0.01	1.34	0.04					
CORONARY ARTERY BYPASS GRAFT	0.47	0.37	0.01	1.29	0.03					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.01	1.10	0.03					
CAROTID ENDARTERECTOMY	0.16	0.12	0.00	1.32	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.39	0.01	1.09	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.27	0.01	1.12	0.03					
PROSTATECTOMY	0.68	0.71	0.01	0.95	0.01					
CHOLECYSTECTOMY	0.55	0.47	0.01	1.16	0.02					
HYSTERECTOMY	0.19	0.17	0.00	1.12	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

ALASKA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	4,092	7.3	8.0	0.8	11.6	12.1	0.7	14.6	15.3	0.8
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	118	21.2	23.7	5.5	23.7	26.1	5.8	27.1	28.6	5.8
CONGESTIVE HEART FAILURE	180	11.7	13.3	2.9	20.6	21.2	3.8	26.7	27.6	4.0
PNEUMONIA/INFLUENZA	228	8.8	11.3	4.0	13.2	15.6	4.9	17.5	19.0	5.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	102	7.8	8.2	3.0	15.7	14.4	4.4	18.6	19.2	4.1
TRANSIENT CEREBRAL ISCHEMIA	41	0.0	1.5	*	2.4	3.3	*	2.4	5.4	*
STROKE	145	13.1	17.0	5.3	20.7	22.6	4.5	24.1	26.3	5.0
HIP FRACTURE	98	4.1	5.0	2.6	7.1	8.8	4.3	7.1	11.6	5.6
SEPSIS	37	27.0	26.6	*	37.8	35.3	*	45.9	40.4	*
PROCEDURES:										
ANGIOPLASTY	17	0.0	2.0	*	0.0	2.6	*	0.0	3.3	*
CORONARY ARTERY BYPASS GRAFT	40	12.5	5.9	*	12.5	8.4	*	12.5	9.4	*
INITIAL PACEMAKER INSERTION	21	0.0	2.8	*	4.8	5.5	*	9.5	8.0	*
CAROTID ENDARTERECTOMY	20	0.0	1.5	*	0.0	2.9	*	0.0	4.3	*
HIP REPLACEMENT/RECONSTRUCTION	60	3.3	2.7	2.2	5.0	5.1	2.9	5.0	7.0	3.7
OPEN REDUCTION OF HIP FRACTURE	48	4.2	4.5	*	4.2	8.2	*	4.2	10.9	*
PROSTATECTOMY	117	0.9	0.8	0.8	1.7	1.9	1.5	1.7	3.4	2.4
CHOLECYSTECTOMY	85	3.5	3.2	2.0	4.7	5.8	2.9	5.9	7.9	3.7
HYSTERECTOMY	26	0.0	0.5	*	3.8	1.1	*	3.8	1.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 26,040

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.16	24.70	0.31	1.06	0.01	3.97	3.98	0.12	0.99	0.03
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.68	0.78	0.05	0.90	0.07					
CONGESTIVE HEART FAILURE	1.33	1.34	0.07	1.03	0.06					
PNEUMONIA/INFLUENZA	1.34	1.13	0.07	1.18	0.07					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.82	0.49	0.05	1.63	0.17					
TRANSIENT CEREBRAL ISCHEMIA	0.22	0.31	0.03	0.66	0.10					
STROKE	0.72	0.75	0.05	0.99	0.08					
HIP FRACTURE	0.49	0.45	0.04	1.08	0.12					
SEPSIS	0.23	0.30	0.03	0.86	0.13					
PROCEDURES:										
ANGIOPLASTY	0.16	0.29	0.04	0.48	0.07					
CORONARY ARTERY BYPASS GRAFT	0.37	0.40	0.04	1.02	0.12					
INITIAL PACEMAKER INSERTION	0.18	0.17	0.03	1.06	0.25					
CAROTID ENDARTERECTOMY	0.14	0.11	0.02	1.20	0.39					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.36	0.04	1.15	0.15					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.23	0.03	1.08	0.20					
PROSTATECTOMY	0.70	0.73	0.05	1.05	0.09					
CHOLECYSTECTOMY	0.44	0.42	0.04	1.06	0.13					
HYSTERECTOMY	0.16	0.16	0.02	1.16	0.28					

** QUANTITIES COULD NOT BE ESTIMATED

AMERICAN SAMOA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	166	12.0	9.2	2.7	16.9	13.6	3.0	23.5	17.0	3.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2	100.0	37.9	*	100.0	41.6	*	100.0	46.7	*
CONGESTIVE HEART FAILURE	6	0.0	9.3	*	0.0	14.9	*	50.0	20.7	*
PNEUMONIA/INFLUENZA	19	5.3	13.9	*	10.5	19.3	*	10.5	23.1	*
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	13	15.4	9.7	*	30.8	16.5	*	38.5	21.5	*
TRANSIENT CEREBRAL ISCHEMIA	1	0.0	2.2	*	0.0	4.5	*	0.0	6.5	*
STROKE	13	15.4	16.1	*	23.1	20.6	*	23.1	23.4	*
HIP FRACTURE	1	0.0	6.6	*	0.0	12.5	*	0.0	17.1	*
SEPSIS	0									
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	0									
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	0									
OPEN REDUCTION OF HIP FRACTURE	0									
PROSTATECTOMY	0									
CHOLECYSTECTOMY	0									
HYSTERECTOMY	0									

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

ARIZONA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	90,378	8.5	8.5	0.1	12.8	12.9	0.2	15.9	16.1	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,864	23.5	24.6	1.0	27.2	27.6	1.2	29.6	30.2	1.1
CONGESTIVE HEART FAILURE	3,695	14.9	14.1	0.7	22.2	22.4	0.7	27.8	28.4	0.8
PNEUMONIA/INFLUENZA	4,095	14.2	14.7	0.6	19.4	20.3	1.0	22.7	23.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,720	9.3	7.8	0.8	15.3	13.5	1.0	21.2	17.9	1.3
TRANSIENT CEREBRAL ISCHEMIA	1,059	2.5	1.6	0.7	4.6	3.6	1.1	6.9	5.9	1.2
STROKE	3,063	18.8	20.3	1.0	25.1	26.6	1.2	28.9	30.3	1.3
HIP FRACTURE	2,552	6.2	6.2	0.5	11.1	11.1	0.8	14.1	14.5	1.0
SEPSIS	992	20.5	24.4	1.7	27.6	31.9	2.1	32.0	36.5	2.3
PROCEDURES:										
ANGIOPLASTY	1,027	3.4	3.4	0.8	4.0	4.4	1.0	4.7	5.4	1.2
CORONARY ARTERY BYPASS GRAFT	1,173	7.8	5.6	1.1	10.1	7.9	1.3	11.6	8.9	1.4
INITIAL PACEMAKER INSERTION	718	2.4	3.0	0.8	4.3	5.6	1.3	6.0	8.0	1.7
CAROTID ENDARTERECTOMY	373	1.9	1.4	0.9	2.9	2.7	1.0	4.0	3.9	1.4
HIP REPLACEMENT/RECONSTRUCTION	2,216	3.1	2.7	0.6	5.9	5.1	0.8	7.1	6.8	0.6
OPEN REDUCTION OF HIP FRACTURE	1,314	5.8	5.7	0.8	10.6	10.5	0.9	13.4	14.0	1.1
PROSTATECTOMY	3,730	0.7	0.8	0.2	2.0	1.8	0.3	3.2	3.2	0.3
CHOLECYSTECTOMY	2,040	2.3	2.4	0.7	4.4	4.5	1.0	5.9	6.0	1.0
HYSTERECTOMY	869	0.8	0.6	0.6	1.2	1.3	0.6	2.1	2.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 522,148

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.04	26.52	0.07	0.94	0.00	4.08	4.29	0.03	0.95	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.79	0.89	0.01	0.90	0.01					
CONGESTIVE HEART FAILURE	1.22	1.55	0.02	0.79	0.01					
PNEUMONIA/INFLUENZA	1.10	1.22	0.01	0.91	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.53	0.01	1.01	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.35	0.01	0.76	0.02					
STROKE	0.77	0.86	0.01	0.90	0.01					
HIP FRACTURE	0.60	0.55	0.01	1.11	0.02					
SEPSIS	0.33	0.34	0.01	0.96	0.02					
PROCEDURES:										
ANGIOPLASTY	0.31	0.32	0.01	0.97	0.02					
CORONARY ARTERY BYPASS GRAFT	0.35	0.43	0.01	0.84	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.94	0.03					
CAROTID ENDARTERECTOMY	0.10	0.14	0.00	0.73	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.50	0.44	0.01	1.14	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.27	0.01	1.17	0.03					
PROSTATECTOMY	0.85	0.81	0.01	1.05	0.02					
CHOLECYSTECTOMY	0.46	0.46	0.01	**	**					
HYSTERECTOMY	0.19	0.18	0.01	1.05	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

ARKANSAS

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	88,685	8.9	8.3	0.1	13.4	12.7	0.2	16.6	16.0	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,531	29.2	26.0	1.2	32.7	28.9	1.5	35.0	31.6	1.4
CONGESTIVE HEART FAILURE	4,305	15.8	14.1	0.8	23.9	22.5	1.0	30.1	28.6	0.9
PNEUMONIA/INFLUENZA	5,049	14.6	14.8	0.7	20.7	20.4	0.6	24.0	24.1	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,351	6.0	6.4	0.8	11.2	11.6	0.9	15.8	15.7	1.0
TRANSIENT CEREBRAL ISCHEMIA	1,444	1.2	1.6	0.6	3.3	3.6	0.8	5.3	6.0	0.9
STROKE	3,004	21.0	18.7	1.2	28.3	24.8	1.3	31.8	28.6	1.2
HIP FRACTURE	2,152	7.1	5.9	0.7	11.6	10.5	0.9	15.0	13.8	1.0
SEPSIS	830	31.1	24.3	1.6	39.3	32.7	2.2	43.9	37.5	2.0
PROCEDURES:										
ANGIOPLASTY	627	3.0	3.0	0.7	4.0	3.8	0.9	4.8	4.7	1.2
CORONARY ARTERY BYPASS GRAFT	1,280	6.0	5.4	0.8	8.2	7.5	0.9	8.9	8.4	0.9
INITIAL PACEMAKER INSERTION	640	2.5	2.7	0.7	5.5	5.3	0.9	7.8	7.7	1.1
CAROTID ENDARTERECTOMY	468	1.1	1.4	0.6	3.0	2.6	0.9	4.5	3.8	1.4
HIP REPLACEMENT/RECONSTRUCTION	1,421	4.8	3.2	0.7	7.8	5.9	0.9	9.9	8.0	1.1
OPEN REDUCTION OF HIP FRACTURE	1,128	6.4	5.4	1.2	10.6	9.9	1.3	14.0	13.2	1.4
PROSTATECTOMY	2,858	1.1	1.0	0.3	2.5	2.3	0.4	3.8	3.9	0.5
CHOLECYSTECTOMY	1,838	3.0	2.2	0.7	4.8	4.2	0.9	6.3	5.6	1.0
HYSTERECTOMY	602	1.3	0.5	1.0	1.7	1.1	1.0	2.0	1.8	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 412,038

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	34.76	31.57	0.09	1.10	0.00	4.81	4.78	0.03	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.98	0.98	0.02	1.01	0.02					
CONGESTIVE HEART FAILURE	1.96	1.92	0.02	1.02	0.01					
PNEUMONIA/INFLUENZA	1.86	1.66	0.02	1.11	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.68	0.01	0.87	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.52	0.43	0.01	1.18	0.03					
STROKE	1.07	1.05	0.02	1.01	0.02					
HIP FRACTURE	0.68	0.59	0.01	1.15	0.02					
SEPSIS	0.35	0.40	0.01	0.88	0.02					
PROCEDURES:										
ANGIOPLASTY	0.30	0.29	0.01	1.06	0.03					
CORONARY ARTERY BYPASS GRAFT	0.58	0.39	0.01	1.49	0.04					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.14	0.04					
CAROTID ENDARTERECTOMY	0.18	0.13	0.01	1.30	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.43	0.01	1.06	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.28	0.01	1.22	0.04					
PROSTATECTOMY	0.92	0.77	0.01	1.20	0.02					
CHOLECYSTECTOMY	0.58	0.52	0.01	1.13	0.03					
HYSTERECTOMY	0.18	0.18	0.01	0.97	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

CALIFORNIA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	528,454	9.6	9.2	0.1	14.7	14.1	0.2	18.2	17.5	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	15,436	23.8	24.8	0.6	28.0	27.9	0.9	30.6	30.6	0.8
CONGESTIVE HEART FAILURE	26,725	14.6	14.5	0.2	23.1	23.0	0.4	29.5	29.1	0.5
PNEUMONIA/INFLUENZA	25,005	16.2	15.3	0.4	22.9	21.1	0.4	27.3	25.0	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	7,920	9.0	7.9	0.3	15.9	13.9	0.5	20.6	18.4	0.5
TRANSIENT CEREBRAL ISCHEMIA	6,433	2.0	1.8	0.3	4.5	4.1	0.5	7.1	6.6	0.6
STROKE	21,120	20.1	19.9	0.4	27.1	26.4	0.5	31.2	30.2	0.6
HIP FRACTURE	14,133	6.7	6.3	0.3	12.1	11.3	0.5	15.6	14.8	0.5
SEPSIS	7,376	25.2	24.3	0.5	33.6	32.5	1.1	38.8	37.3	1.3
PROCEDURES:										
ANGIOPLASTY	6,829	2.5	2.8	0.3	3.6	3.7	0.3	4.7	4.7	0.4
CORONARY ARTERY BYPASS GRAFT	7,653	6.1	5.8	0.5	8.3	8.3	0.6	9.6	9.4	0.7
INITIAL PACEMAKER INSERTION	4,640	2.8	3.2	0.4	5.8	6.2	0.6	8.4	8.9	0.7
CAROTID ENDARTERECTOMY	3,019	1.4	1.4	0.2	2.8	2.6	0.4	3.9	3.8	0.4
HIP REPLACEMENT/RECONSTRUCTION	11,665	3.5	3.0	0.3	6.4	5.6	0.4	8.4	7.6	0.4
OPEN REDUCTION OF HIP FRACTURE	6,964	6.3	5.8	0.4	11.9	10.7	0.7	15.3	14.2	0.7
PROSTATECTOMY	18,545	0.8	0.8	0.1	1.8	1.8	0.1	3.0	3.2	0.2
CHOLECYSTECTOMY	9,477	2.6	2.4	0.2	4.5	4.4	0.2	6.0	5.9	0.3
HYSTERECTOMY	4,922	0.8	0.6	0.4	1.5	1.4	0.7	2.3	2.3	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 3,414,390

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.57	25.94	0.03	0.91	0.00	4.48	4.50	0.01	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.69	0.81	0.00	0.85	0.00					
CONGESTIVE HEART FAILURE	1.43	1.55	0.01	0.92	0.00					
PNEUMONIA/INFLUENZA	1.08	1.12	0.01	0.97	0.00					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.46	0.00	0.93	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.33	0.00	0.79	0.01					
STROKE	0.84	0.86	0.00	0.97	0.01					
HIP FRACTURE	0.53	0.57	0.00	0.92	0.01					
SEPSIS	0.35	0.36	0.00	0.98	0.01					
PROCEDURES:										
ANGIOPLASTY	0.33	0.29	0.00	1.12	0.01					
CORONARY ARTERY BYPASS GRAFT	0.35	0.38	0.00	0.92	0.01					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.00	0.95	0.01					
CAROTID ENDARTERECTOMY	0.12	0.11	0.00	1.06	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.43	0.00	0.99	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.00	0.90	0.01					
PROSTATECTOMY	0.66	0.74	0.00	0.89	0.01					
CHOLECYSTECTOMY	0.34	0.39	0.00	0.87	0.01					
HYSTERECTOMY	0.16	0.17	0.00	0.94	0.01					

** QUANTITIES COULD NOT BE ESTIMATED

COLORADO

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	63,598	8.2	7.8	0.1	12.5	12.0	0.3	15.6	15.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,982	22.8	23.4	1.1	26.0	26.3	1.1	27.8	28.9	1.1
CONGESTIVE HEART FAILURE	2,467	12.5	13.9	0.9	20.7	22.0	1.5	27.0	28.0	1.6
PNEUMONIA/INFLUENZA	3,099	14.9	13.9	0.9	19.9	19.3	0.8	23.8	22.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,240	8.9	7.3	1.0	14.4	12.9	1.3	20.4	17.2	1.6
TRANSIENT CEREBRAL ISCHEMIA	723	1.9	1.6	0.6	5.0	3.7	1.3	6.6	6.1	1.5
STROKE	1,914	19.4	19.2	0.9	25.7	25.6	1.2	28.9	29.4	1.2
HIP FRACTURE	1,908	8.2	6.4	0.9	13.5	11.5	1.0	16.4	15.1	1.0
SEPSIS	637	24.5	25.8	2.4	31.4	33.6	3.3	37.7	38.3	4.4
PROCEDURES:										
ANGIOPLASTY	601	4.2	3.6	0.8	4.7	4.5	0.9	5.3	5.4	1.0
CORONARY ARTERY BYPASS GRAFT	692	6.6	5.8	1.0	8.4	8.3	1.0	10.1	9.4	1.2
INITIAL PACEMAKER INSERTION	328	2.7	3.2	1.1	5.2	6.0	1.6	7.6	8.5	1.8
CAROTID ENDARTERECTOMY	170	1.8	1.4	1.0	2.4	2.6	1.3	4.1	3.8	1.6
HIP REPLACEMENT/RECONSTRUCTION	1,549	3.4	2.8	0.6	5.9	5.2	0.8	7.3	7.1	0.8
OPEN REDUCTION OF HIP FRACTURE	875	7.1	5.7	1.2	12.2	10.5	1.3	14.4	14.1	1.4
PROSTATECTOMY	2,317	0.7	0.9	0.2	1.9	2.0	0.3	3.0	3.5	0.5
CHOLECYSTECTOMY	1,410	3.9	2.5	0.8	6.0	4.7	0.8	7.2	6.2	0.8
HYSTERECTOMY	576	0.5	0.6	0.3	1.0	1.3	0.5	1.9	2.1	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 376,370

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	24.20	27.87	0.09	0.87	0.00	4.25	4.58	0.03	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.90	0.02	0.82	0.01					
CONGESTIVE HEART FAILURE	1.07	1.66	0.02	0.64	0.01					
PNEUMONIA/INFLUENZA	1.19	1.35	0.02	0.88	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.56	0.01	0.97	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.37	0.01	0.70	0.02					
STROKE	0.66	0.89	0.01	0.75	0.01					
HIP FRACTURE	0.64	0.61	0.01	1.07	0.02					
SEPSIS	0.28	0.35	0.01	0.79	0.02					
PROCEDURES:										
ANGIOPLASTY	0.24	0.30	0.01	0.82	0.03					
CORONARY ARTERY BYPASS GRAFT	0.27	0.39	0.01	0.68	0.02					
INITIAL PACEMAKER INSERTION	0.12	0.20	0.01	0.63	0.02					
CAROTID ENDARTERECTOMY	0.06	0.13	0.01	0.45	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.45	0.01	1.13	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.01	0.99	0.03					
PROSTATECTOMY	0.75	0.74	0.01	1.00	0.02					
CHOLECYSTECTOMY	0.45	0.46	0.01	0.99	0.02					
HYSTERECTOMY	0.17	0.18	0.01	0.94	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

CONNECTICUT

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	77,076	8.9	9.6	0.2	14.0	14.5	0.1	17.7	18.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,695	22.0	24.3	1.2	26.9	27.6	1.4	30.2	30.4	1.2
CONGESTIVE HEART FAILURE	3,916	13.3	15.1	0.8	22.7	23.7	0.8	29.5	29.9	0.8
PNEUMONIA/INFLUENZA	3,525	17.0	16.8	0.7	23.5	23.2	0.8	27.3	27.2	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,002	9.0	8.5	0.9	16.1	14.6	1.4	21.8	19.2	1.8
TRANSIENT CEREBRAL ISCHEMIA	978	1.2	1.8	0.5	2.8	3.9	0.9	6.2	6.4	0.9
STROKE	2,993	18.5	19.8	1.2	26.1	26.5	1.1	30.2	30.3	1.2
HIP FRACTURE	2,298	5.7	6.8	0.8	10.0	12.0	1.0	13.6	15.5	1.0
SEPSIS	747	23.0	25.8	2.3	31.7	33.9	2.5	36.7	38.6	2.9
PROCEDURES:										
ANGIOPLASTY	764	2.5	3.0	1.0	3.8	4.0	1.2	5.0	5.1	1.3
CORONARY ARTERY BYPASS GRAFT	1,080	5.6	6.2	1.6	7.8	9.0	1.4	8.9	10.2	1.4
INITIAL PACEMAKER INSERTION	683	2.3	3.2	1.0	5.9	6.4	1.4	7.8	9.2	1.5
CAROTID ENDARTERECTOMY	222	1.8	1.6	0.9	2.7	3.0	1.2	3.2	4.4	1.7
HIP REPLACEMENT/RECONSTRUCTION	1,596	2.8	3.4	0.7	5.6	6.3	1.0	7.3	8.4	1.2
OPEN REDUCTION OF HIP FRACTURE	1,215	5.1	6.2	1.0	9.3	11.4	1.3	13.0	15.1	1.4
PROSTATECTOMY	2,331	0.7	1.1	0.4	1.8	2.6	0.7	3.8	4.3	0.7
CHOLECYSTECTOMY	1,491	1.8	2.9	0.7	4.6	5.3	0.9	6.4	7.1	1.1
HYSTERECTOMY	670	0.3	1.1	0.4	0.7	2.3	0.6	1.5	3.6	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 493,054

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.57	25.61	0.07	0.88	0.00	4.54	4.56	0.03	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.79	0.01	1.03	0.02					
CONGESTIVE HEART FAILURE	1.39	1.52	0.02	0.91	0.01					
PNEUMONIA/INFLUENZA	0.98	1.07	0.01	0.92	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.34	0.41	0.01	0.84	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.27	0.35	0.01	0.78	0.02					
STROKE	0.77	0.85	0.01	0.91	0.01					
HIP FRACTURE	0.58	0.62	0.01	0.93	0.02					
SEPSIS	0.23	0.35	0.01	0.66	0.02					
PROCEDURES:										
ANGIOPLASTY	0.28	0.27	0.01	1.06	0.03					
CORONARY ARTERY BYPASS GRAFT	0.38	0.36	0.01	1.06	0.03					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.95	0.03					
CAROTID ENDARTERECTOMY	0.07	0.10	0.00	0.67	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.40	0.45	0.01	0.89	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.01	0.99	0.03					
PROSTATECTOMY	0.58	0.71	0.01	0.82	0.01					
CHOLECYSTECTOMY	0.37	0.36	0.01	1.02	0.02					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

DELAWARE

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	16,577	8.9	9.0	0.2	13.8	13.6	0.3	17.6	17.0	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	623	25.5	25.2	1.8	28.6	28.5	1.8	32.9	31.4	2.4
CONGESTIVE HEART FAILURE	843	15.1	13.7	1.5	22.5	21.8	1.5	29.2	27.8	1.8
PNEUMONIA/INFLUENZA	637	15.5	15.0	1.5	19.6	20.6	1.7	23.7	24.2	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	229	9.2	7.9	2.2	15.7	13.6	3.7	20.1	18.0	4.3
TRANSIENT CEREBRAL ISCHEMIA	244	2.0	1.7	1.2	3.3	3.9	1.4	5.3	6.3	1.8
STROKE	609	20.2	19.5	2.0	26.4	25.5	2.6	30.7	29.1	3.0
HIP FRACTURE	393	8.7	6.4	2.4	13.7	11.2	3.2	17.3	14.6	3.3
SEPSIS	269	25.3	26.1	2.8	34.6	34.2	2.9	40.1	38.9	3.2
PROCEDURES:										
ANGIOPLASTY	119	0.0	2.9	2.0	0.8	4.0	2.4	1.7	5.0	2.8
CORONARY ARTERY BYPASS GRAFT	166	4.8	6.6	2.5	8.4	9.4	2.4	10.2	10.6	2.5
INITIAL PACEMAKER INSERTION	118	8.5	3.7	2.5	11.9	7.0	3.0	16.1	9.8	3.6
CAROTID ENDARTERECTOMY	74	1.4	1.3	1.4	4.1	2.4	2.9	4.1	3.6	3.1
HIP REPLACEMENT/RECONSTRUCTION	313	4.2	3.0	1.5	6.7	5.7	2.0	8.9	7.7	2.4
OPEN REDUCTION OF HIP FRACTURE	207	9.7	5.8	2.7	14.5	10.5	3.5	17.4	13.9	3.4
PROSTATECTOMY	600	0.2	0.9	0.6	1.3	2.0	0.8	2.0	3.4	1.3
CHOLECYSTECTOMY	291	2.1	2.5	1.0	5.5	4.7	1.3	7.2	6.4	2.0
HYSTERECTOMY	125	3.2	0.5	2.8	3.2	1.2	2.1	4.0	1.9	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 92,917

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.68	27.23	0.17	1.05	0.01	4.71	4.50	0.07	1.05	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.82	0.03	1.28	0.05					
CONGESTIVE HEART FAILURE	1.74	1.68	0.04	1.04	0.03					
PNEUMONIA/INFLUENZA	1.02	1.12	0.03	0.91	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.50	0.02	0.96	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.37	0.02	1.06	0.06					
STROKE	0.90	0.91	0.03	0.99	0.03					
HIP FRACTURE	0.53	0.54	0.02	0.98	0.04					
SEPSIS	0.44	0.39	0.02	1.11	0.06					
PROCEDURES:										
ANGIOPLASTY	0.29	0.30	0.02	0.97	0.06					
CORONARY ARTERY BYPASS GRAFT	0.39	0.39	0.02	1.01	0.05					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.01	0.08					
CAROTID ENDARTERECTOMY	0.16	0.12	0.01	1.30	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.39	0.02	1.13	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.28	0.02	0.96	0.06					
PROSTATECTOMY	0.83	0.73	0.03	1.14	0.04					
CHOLECYSTECTOMY	0.43	0.41	0.02	1.06	0.06					
HYSTERECTOMY	0.15	0.17	0.01	0.89	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

DISTRICT OF COLUMBIA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	21,160	7.7	8.8	0.2	13.1	13.8	0.3	16.9	17.4	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	410	19.0	26.8	2.8	24.9	30.0	2.5	29.8	32.7	2.8
CONGESTIVE HEART FAILURE	1,100	9.6	13.6	1.3	16.9	22.0	1.7	23.5	28.1	1.7
PNEUMONIA/INFLUENZA	628	14.0	15.7	2.5	20.7	21.6	2.6	24.5	25.3	2.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	171	11.1	10.1	3.7	18.1	17.4	3.8	23.4	22.5	3.5
TRANSIENT CEREBRAL ISCHEMIA	233	0.9	1.7	1.2	1.7	3.8	2.1	3.0	6.2	2.9
STROKE	723	16.6	20.0	2.3	22.7	26.6	2.5	26.7	30.3	2.6
HIP FRACTURE	344	6.1	6.6	1.5	10.8	11.7	1.8	13.7	15.2	2.1
SEPSIS	269	26.4	25.1	3.3	34.9	32.9	4.4	41.6	37.7	5.2
PROCEDURES:										
ANGIOPLASTY	424	2.8	2.4	0.8	3.8	3.4	1.0	7.1	4.4	1.5
CORONARY ARTERY BYPASS GRAFT	407	5.9	5.1	1.4	8.1	7.6	1.7	8.8	8.7	1.6
INITIAL PACEMAKER INSERTION	144	6.2	3.5	2.8	11.1	6.9	4.1	13.9	9.8	4.2
CAROTID ENDARTERECTOMY	36	5.6	1.3	*	5.6	2.4	*	5.6	3.5	*
HIP REPLACEMENT/RECONSTRUCTION	315	1.3	3.0	1.5	3.5	5.7	2.0	5.4	7.7	2.1
OPEN REDUCTION OF HIP FRACTURE	155	7.1	6.0	2.1	11.6	11.0	2.6	14.2	14.5	2.9
PROSTATECTOMY	684	0.4	1.0	1.0	2.8	2.3	0.7	4.2	3.9	0.8
CHOLECYSTECTOMY	203	6.9	3.2	2.0	9.4	5.9	2.3	11.3	7.9	2.4
HYSTERECTOMY	167	1.2	0.9	1.1	1.2	2.1	1.2	3.0	3.3	1.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 83,857

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	28.63	25.87	0.18	1.11	0.01	4.98	5.47	0.08	0.91	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.54	0.55	0.03	1.00	0.05					
CONGESTIVE HEART FAILURE	2.16	1.89	0.05	1.15	0.03					
PNEUMONIA/INFLUENZA	1.00	0.78	0.03	1.28	0.05					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.30	0.28	0.02	1.07	0.07					
TRANSIENT CEREBRAL ISCHEMIA	0.28	0.29	0.02	0.98	0.06					
STROKE	1.01	1.06	0.03	0.95	0.03					
HIP FRACTURE	0.42	0.45	0.02	0.95	0.05					
SEPSIS	0.48	0.57	0.03	0.84	0.04					
PROCEDURES:										
ANGIOPLASTY	0.16	0.15	0.01	1.08	0.10					
CORONARY ARTERY BYPASS GRAFT	0.18	0.20	0.01	0.90	0.07					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.01	0.82	0.06					
CAROTID ENDARTERECTOMY	0.02	0.04	0.01	0.62	0.11					
HIP REPLACEMENT/RECONSTRUCTION	0.31	0.31	0.02	1.02	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.20	0.23	0.02	0.85	0.06					
PROSTATECTOMY	0.71	0.65	0.03	1.08	0.05					
CHOLECYSTECTOMY	0.20	0.21	0.02	0.93	0.07					
HYSTERECTOMY	0.11	0.13	0.01	0.88	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

FLORIDA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	386,529	9.1	9.2	0.1	14.0	13.9	0.2	17.5	17.3	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	13,119	24.0	25.2	0.6	28.4	28.4	0.9	30.9	31.1	0.7
CONGESTIVE HEART FAILURE	19,229	14.2	14.4	0.3	23.2	22.8	0.3	29.8	29.0	0.5
PNEUMONIA/INFLUENZA	13,084	15.1	15.4	0.4	21.3	21.1	0.4	25.5	24.9	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	6,825	8.1	8.0	0.3	14.1	13.9	0.5	18.7	18.3	0.6
TRANSIENT CEREBRAL ISCHEMIA	5,346	1.4	1.8	0.4	4.0	4.0	0.4	6.2	6.5	0.4
STROKE	14,657	18.9	20.0	0.5	25.5	26.3	0.6	29.2	30.1	0.6
HIP FRACTURE	10,660	6.7	6.7	0.3	12.1	11.8	0.4	15.8	15.2	0.4
SEPSIS	6,094	23.7	26.1	0.6	33.3	34.1	1.1	38.7	39.0	1.3
PROCEDURES:										
ANGIOPLASTY	4,541	2.9	3.0	0.4	3.9	3.9	0.4	4.8	4.9	0.4
CORONARY ARTERY BYPASS GRAFT	6,180	5.3	5.7	0.5	7.5	8.0	0.6	8.2	9.1	0.6
INITIAL PACEMAKER INSERTION	4,402	2.9	3.3	0.4	6.4	6.3	0.9	8.5	9.1	0.6
CAROTID ENDARTERECTOMY	2,271	1.8	1.5	0.4	3.0	2.8	0.4	4.1	4.2	0.4
HIP REPLACEMENT/RECONSTRUCTION	7,781	3.4	3.2	0.2	6.3	6.0	0.4	8.2	8.0	0.4
OPEN REDUCTION OF HIP FRACTURE	5,755	6.5	6.2	0.4	12.2	11.3	0.7	15.8	14.8	0.8
PROSTATECTOMY	16,164	0.9	0.9	0.1	2.1	2.1	0.1	3.5	3.7	0.2
CHOLECYSTECTOMY	7,726	2.7	2.8	0.3	4.8	5.1	0.4	6.3	6.7	0.5
HYSTERECTOMY	3,823	0.6	0.6	0.3	1.0	1.4	0.4	1.8	2.2	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 2,451,590

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.84	26.60	0.03	0.86	0.00	4.29	4.46	0.01	0.96	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.75	0.87	0.01	0.87	0.01					
CONGESTIVE HEART FAILURE	1.31	1.60	0.01	0.82	0.00					
PNEUMONIA/INFLUENZA	0.75	1.19	0.01	0.63	0.00					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.50	0.00	0.89	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.35	0.00	0.84	0.01					
STROKE	0.78	0.90	0.01	0.87	0.01					
HIP FRACTURE	0.55	0.57	0.00	0.96	0.01					
SEPSIS	0.39	0.36	0.00	1.06	0.01					
PROCEDURES:										
ANGIOPLASTY	0.29	0.31	0.00	0.93	0.01					
CORONARY ARTERY BYPASS GRAFT	0.38	0.41	0.00	0.93	0.01					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.00	1.09	0.02					
CAROTID ENDARTERECTOMY	0.13	0.13	0.00	0.94	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.39	0.45	0.00	0.88	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.00	1.03	0.01					
PROSTATECTOMY	0.79	0.82	0.01	0.96	0.01					
CHOLECYSTECTOMY	0.38	0.43	0.00	0.88	0.01					
HYSTERECTOMY	0.18	0.18	0.00	**	**					

** QUANTITIES COULD NOT BE ESTIMATED

GEORGIA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	167,244	8.7	8.4	0.1	13.2	12.9	0.1	16.5	16.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,330	25.4	25.4	0.7	29.7	28.3	1.4	32.6	31.1	1.5
CONGESTIVE HEART FAILURE	7,353	14.2	13.7	0.7	22.3	21.9	0.5	28.5	27.9	0.7
PNEUMONIA/INFLUENZA	9,000	14.1	14.3	0.6	19.6	19.8	0.5	23.0	23.4	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	3,188	6.2	7.5	0.6	11.1	13.3	0.8	15.1	17.6	0.9
TRANSIENT CEREBRAL ISCHEMIA	2,371	1.4	1.7	0.4	3.6	3.8	0.6	5.7	6.1	0.6
STROKE	5,716	21.9	19.4	0.6	28.2	25.7	0.6	32.2	29.4	0.8
HIP FRACTURE	3,620	7.0	6.5	0.7	12.1	11.4	1.1	15.7	14.7	1.2
SEPSIS	2,169	25.7	24.2	1.5	34.4	32.0	1.5	39.6	36.7	1.7
PROCEDURES:										
ANGIOPLASTY	1,431	2.0	2.2	0.5	3.1	3.0	0.6	3.8	3.8	0.6
CORONARY ARTERY BYPASS GRAFT	1,624	6.5	5.3	1.1	8.9	7.6	1.4	9.8	8.7	1.3
INITIAL PACEMAKER INSERTION	1,271	3.0	2.9	0.7	5.8	5.6	0.8	8.7	8.1	0.9
CAROTID ENDARTERECTOMY	797	1.6	1.5	0.5	3.3	2.8	0.7	4.6	4.1	0.9
HIP REPLACEMENT/RECONSTRUCTION	2,440	3.8	3.3	0.6	6.4	6.1	0.7	8.6	8.1	0.7
OPEN REDUCTION OF HIP FRACTURE	1,848	6.9	6.0	0.8	12.6	10.9	1.2	16.5	14.3	1.4
PROSTATECTOMY	3,959	0.9	1.0	0.3	2.3	2.3	0.4	3.9	3.9	0.5
CHOLECYSTECTOMY	2,966	2.7	2.5	0.4	4.7	4.5	0.4	5.9	5.9	0.5
HYSTERECTOMY	1,130	0.4	0.6	0.3	1.2	1.3	0.6	2.1	2.1	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 763,157

CATEGORY	ADMISSION OBS(%)	ADMISSION PRED(%)	ADMISSION SD(%)	ADMISSION REL	ADMISSION SE	MORTALITY OBS(%)	MORTALITY PRED(%)	MORTALITY SD(%)	MORTALITY REL	MORTALITY SE
ALL CAUSES	34.40	30.69	0.06	1.12	0.00	4.89	4.78	0.02	1.02	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.91	0.86	0.01	1.06	0.01					
CONGESTIVE HEART FAILURE	1.83	1.99	0.02	0.92	0.01					
PNEUMONIA/INFLUENZA	1.78	1.35	0.01	1.31	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.79	0.61	0.01	1.28	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.43	0.01	1.01	0.02					
STROKE	1.07	1.03	0.01	1.04	0.01					
HIP FRACTURE	0.63	0.55	0.01	1.15	0.02					
SEPSIS	0.47	0.44	0.01	1.07	0.02					
PROCEDURES:										
ANGIOPLASTY	0.33	0.27	0.01	1.25	0.03					
CORONARY ARTERY BYPASS GRAFT	0.39	0.37	0.01	1.06	0.02					
INITIAL PACEMAKER INSERTION	0.24	0.20	0.00	1.20	0.03					
CAROTID ENDARTERECTOMY	0.15	0.12	0.00	1.30	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.37	0.01	1.12	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.27	0.01	1.20	0.03					
PROSTATECTOMY	0.68	0.68	0.01	1.01	0.01					
CHOLECYSTECTOMY	0.50	0.44	0.01	1.15	0.02					
HYSTERECTOMY	0.17	0.17	0.00	1.03	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

GUAM

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	30 DAYS PRED	30 DAYS SD	90 DAYS OBS	90 DAYS PRED	90 DAYS SD	180 DAYS OBS	180 DAYS PRED	180 DAYS SD
ALL CAUSES	358	9.2	8.9	1.5	14.2	13.9	2.0	19.0	17.5	2.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	7	14.3	21.1	*	14.3	23.1	*	28.6	25.3	*
CONGESTIVE HEART FAILURE	27	22.2	12.0	*	37.0	20.2	*	48.1	26.2	*
PNEUMONIA/INFLUENZA	6	50.0	19.1	*	50.0	26.8	*	50.0	31.2	*
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	9	0.0	9.3	*	11.1	16.8	*	11.1	22.6	*
TRANSIENT CEREBRAL ISCHEMIA	5	0.0	2.0	*	0.0	4.4	*	0.0	7.1	*
STROKE	17	11.8	19.6	*	17.6	24.5	*	17.6	27.9	*
HIP FRACTURE	14	0.0	6.6	*	0.0	11.9	*	7.1	15.2	*
SEPSIS	10	10.0	26.9	*	30.0	37.0	*	60.0	42.3	*
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	0									
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	4	0.0	8.4	*	0.0	15.1	*	0.0	19.3	*
OPEN REDUCTION OF HIP FRACTURE	9	0.0	5.0	*	0.0	9.7	*	0.0	12.8	*
PROSTATECTOMY	4	0.0	0.7	*	0.0	1.6	*	0.0	2.8	*
CHOLECYSTECTOMY	5	0.0	1.2	*	0.0	2.3	*	0.0	3.0	*
HYSTERECTOMY	1	0.0	0.2	*	100.0	0.4	*	100.0	0.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

HAWAII

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	18,044	8.4	9.5	0.3	13.2	14.3	0.3	16.6	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	548	22.3	24.7	3.6	26.8	27.6	3.6	29.7	30.3	3.8
CONGESTIVE HEART FAILURE	787	13.5	14.0	1.7	20.6	22.2	2.7	27.3	28.2	2.9
PNEUMONIA/INFLUENZA	765	14.1	14.8	1.5	18.2	20.2	1.9	22.0	23.8	2.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	190	6.3	8.1	2.6	16.8	14.2	3.2	21.6	18.8	4.4
TRANSIENT CEREBRAL ISCHEMIA	238	0.4	1.5	1.1	1.3	3.3	1.9	2.1	5.5	2.9
STROKE	959	17.4	20.1	1.5	22.3	25.9	2.1	25.2	29.4	2.0
HIP FRACTURE	467	5.4	6.3	1.5	10.1	11.3	1.7	13.5	14.8	1.8
SEPSIS	293	20.1	23.4	3.3	26.6	31.8	4.2	30.0	36.5	4.3
PROCEDURES:										
ANGIOPLASTY	207	2.9	2.6	1.2	5.8	3.4	1.9	8.2	4.2	2.4
CORONARY ARTERY BYPASS GRAFT	239	11.3	5.4	2.5	16.7	7.5	3.4	16.7	8.5	2.8
INITIAL PACEMAKER INSERTION	179	2.8	3.3	1.4	6.7	6.3	2.1	10.1	9.0	3.6
CAROTID ENDARTERECTOMY	63	0.0	1.5	2.1	0.0	2.8	3.4	3.2	4.1	2.7
HIP REPLACEMENT/RECONSTRUCTION	240	3.3	3.0	1.4	5.4	5.8	1.6	6.7	7.9	1.9
OPEN REDUCTION OF HIP FRACTURE	285	6.0	5.7	1.5	10.5	10.6	1.9	14.4	14.1	2.3
PROSTATECTOMY	829	0.1	0.8	0.6	1.1	2.0	0.8	2.8	3.3	0.7
CHOLECYSTECTOMY	380	2.1	2.6	1.1	3.4	5.0	1.5	4.5	6.8	1.8
HYSTERECTOMY	131	0.0	0.6	0.9	0.8	1.4	1.2	2.3	2.2	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 132,992

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	19.01	23.01	0.13	0.83	0.00	3.66	4.06	0.05	0.90	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.56	0.78	0.02	0.72	0.02					
CONGESTIVE HEART FAILURE	0.99	1.27	0.03	0.79	0.02					
PNEUMONIA/INFLUENZA	0.79	1.00	0.03	0.79	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.22	0.41	0.02	0.54	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.27	0.01	0.86	0.05					
STROKE	0.86	0.77	0.02	1.12	0.04					
HIP FRACTURE	0.41	0.48	0.02	0.84	0.03					
SEPSIS	0.32	0.31	0.01	1.04	0.05					
PROCEDURES:										
ANGIOPLASTY	0.21	0.33	0.02	0.66	0.03					
CORONARY ARTERY BYPASS GRAFT	0.27	0.40	0.02	0.68	0.03					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.87	0.06					
CAROTID ENDARTERECTOMY	0.07	0.12	0.01	0.56	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.23	0.42	0.02	0.55	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.25	0.01	0.96	0.05					
PROSTATECTOMY	0.73	0.86	0.03	0.85	0.02					
CHOLECYSTECTOMY	0.33	0.39	0.02	0.86	0.04					
HYSTERECTOMY	0.11	0.17	0.01	0.63	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

IDAHO

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	21,026	8.8	7.8	0.2	12.9	12.0	0.3	16.0	15.1	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	731	24.1	24.4	1.6	27.6	27.4	1.9	30.2	30.1	1.8
CONGESTIVE HEART FAILURE	888	15.9	13.5	1.9	23.1	21.5	1.8	30.9	27.6	2.5
PNEUMONIA/INFLUENZA	1,164	12.7	12.9	1.0	18.2	18.1	1.2	22.8	21.6	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	378	9.8	7.2	2.7	14.3	12.7	2.4	18.3	17.0	2.5
TRANSIENT CEREBRAL ISCHEMIA	245	2.0	1.7	0.9	3.3	3.7	1.4	6.5	6.1	1.6
STROKE	764	23.0	17.2	2.1	29.1	23.6	2.1	33.6	27.4	2.6
HIP FRACTURE	624	6.1	6.0	1.0	11.1	10.8	1.6	14.1	14.3	2.0
SEPSIS	192	19.8	22.0	3.4	28.1	29.4	4.7	35.4	34.0	5.3
PROCEDURES:										
ANGIOPLASTY	144	2.1	2.7	1.5	3.5	3.6	1.9	4.2	4.5	2.4
CORONARY ARTERY BYPASS GRAFT	195	7.2	5.6	2.1	8.7	8.2	2.0	10.8	9.4	2.4
INITIAL PACEMAKER INSERTION	142	2.1	2.4	1.3	4.9	4.9	2.2	6.3	7.4	2.7
CAROTID ENDARTERECTOMY	95	2.1	1.5	1.6	4.2	2.7	2.1	4.2	4.1	2.3
HIP REPLACEMENT/RECONSTRUCTION	595	1.7	2.4	0.9	3.5	4.5	1.1	5.4	6.2	1.4
OPEN REDUCTION OF HIP FRACTURE	284	6.0	5.6	1.9	11.6	10.4	2.1	13.4	13.9	2.2
PROSTATECTOMY	825	0.7	0.8	0.3	1.7	1.8	0.5	2.8	3.2	0.7
CHOLECYSTECTOMY	524	3.2	2.3	1.2	4.2	4.3	1.0	5.3	5.8	1.4
HYSTERECTOMY	245	0.4	0.6	0.5	0.4	1.3	0.8	0.4	2.1	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 138,473

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.38	27.71	0.14	0.88	0.00	4.20	4.45	0.06	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.95	0.03	1.00	0.03					
CONGESTIVE HEART FAILURE	1.12	1.60	0.03	0.69	0.01					
PNEUMONIA/INFLUENZA	1.22	1.41	0.03	0.87	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.57	0.02	0.83	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.36	0.02	0.71	0.03					
STROKE	0.76	0.89	0.03	0.85	0.02					
HIP FRACTURE	0.58	0.59	0.02	0.97	0.04					
SEPSIS	0.24	0.33	0.02	0.70	0.03					
PROCEDURES:										
ANGIOPLASTY	0.29	0.31	0.02	0.89	0.05					
CORONARY ARTERY BYPASS GRAFT	0.42	0.42	0.02	**	**					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.80	0.05					
CAROTID ENDARTERECTOMY	0.11	0.14	0.01	1.02	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.59	0.47	0.02	1.21	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.28	0.01	0.94	0.05					
PROSTATECTOMY	0.83	0.84	0.02	1.00	0.03					
CHOLECYSTECTOMY	0.51	0.50	0.02	1.03	0.04					
HYSTERECTOMY	0.23	0.19	0.01	1.31	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

ILLINOIS

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	286,587	9.1	9.2	0.2	14.3	14.0	0.1	17.9	17.5	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	8,345	27.0	26.9	0.7	31.8	30.0	1.0	34.8	32.8	1.1
CONGESTIVE HEART FAILURE	16,137	13.9	14.3	0.4	22.4	22.5	0.4	29.0	28.7	0.5
PNEUMONIA/INFLUENZA	14,231	15.9	16.0	0.5	22.3	21.8	0.6	26.6	25.7	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	4,068	8.7	8.1	0.6	14.2	14.1	0.6	18.7	18.7	0.6
TRANSIENT CEREBRAL ISCHEMIA	5,035	1.4	1.8	0.3	3.5	4.1	0.4	5.9	6.6	0.6
STROKE	10,881	18.4	19.9	0.6	25.3	26.2	0.5	29.8	30.0	0.5
HIP FRACTURE	6,718	6.8	6.7	0.3	12.4	11.8	0.5	16.1	15.3	0.6
SEPSIS	3,971	25.9	25.8	1.1	36.8	34.0	1.2	42.4	38.9	1.4
PROCEDURES:										
ANGIOPLASTY	2,064	3.6	3.4	0.6	4.9	4.3	0.7	6.2	5.3	0.8
CORONARY ARTERY BYPASS GRAFT	2,912	5.5	6.0	0.7	8.6	8.5	0.7	9.9	9.5	0.6
INITIAL PACEMAKER INSERTION	2,012	3.3	3.6	0.5	7.1	6.8	0.7	10.7	9.6	1.1
CAROTID ENDARTERECTOMY	1,090	1.8	1.5	0.5	2.8	2.8	0.5	3.8	4.1	0.7
HIP REPLACEMENT/RECONSTRUCTION	4,832	3.0	3.4	0.3	6.2	6.2	0.4	8.4	8.3	0.4
OPEN REDUCTION OF HIP FRACTURE	2,949	6.5	6.1	0.5	11.3	11.0	0.7	14.6	14.6	0.9
PROSTATECTOMY	8,007	1.0	1.1	0.3	2.7	2.6	0.3	4.4	4.3	0.4
CHOLECYSTECTOMY	4,816	3.0	2.9	0.3	5.8	5.4	0.5	7.4	7.1	0.4
HYSTERECTOMY	2,052	1.1	0.8	0.8	2.1	1.8	1.2	2.8	2.8	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,617,237

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.80	28.07	0.04	1.03	0.00	4.87	4.77	0.02	1.02	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.82	0.86	0.01	0.96	0.01					
CONGESTIVE HEART FAILURE	1.88	1.74	0.01	1.08	0.01					
PNEUMONIA/INFLUENZA	1.35	1.26	0.01	1.07	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.47	0.50	0.01	0.94	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.45	0.37	0.00	1.19	0.02					
STROKE	0.97	0.94	0.01	1.03	0.01					
HIP FRACTURE	0.57	0.62	0.01	0.92	0.01					
SEPSIS	0.43	0.39	0.00	1.09	0.01					
PROCEDURES:										
ANGIOPLASTY	0.28	0.28	0.00	**	**					
CORONARY ARTERY BYPASS GRAFT	0.37	0.37	0.00	**	**					
INITIAL PACEMAKER INSERTION	0.20	0.21	0.00	0.95	0.02					
CAROTID ENDARTERECTOMY	0.11	0.12	0.00	0.96	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.44	0.00	0.93	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.30	0.00	0.81	0.01					
PROSTATECTOMY	0.67	0.72	0.01	0.92	0.01					
CHOLECYSTECTOMY	0.40	0.42	0.00	0.95	0.01					
HYSTERECTOMY	0.16	0.17	0.00	0.91	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

INDIANA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	161,187	9.4	8.9	0.1	14.2	13.5	0.3	17.6	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,831	26.6	26.1	0.7	30.2	29.0	1.0	32.9	31.8	1.1
CONGESTIVE HEART FAILURE	8,935	15.0	14.0	0.7	23.7	22.2	0.6	30.1	28.3	0.7
PNEUMONIA/INFLUENZA	8,304	15.6	15.0	0.7	21.8	20.6	1.0	25.7	24.4	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,779	7.0	7.4	1.0	12.6	13.1	1.3	16.8	17.5	1.2
TRANSIENT CEREBRAL ISCHEMIA	2,243	1.5	1.7	0.4	3.8	3.9	0.4	6.1	6.4	0.6
STROKE	5,939	21.7	19.8	0.8	28.4	25.8	0.9	32.1	29.6	0.9
HIP FRACTURE	4,127	8.2	6.4	0.5	13.5	11.3	0.8	16.6	14.8	0.7
SEPSIS	1,974	23.4	25.9	1.4	32.3	33.5	1.9	37.7	38.2	1.8
PROCEDURES:										
ANGIOPLASTY	2,052	3.3	3.3	0.5	4.5	4.2	0.6	5.3	5.1	0.5
CORONARY ARTERY BYPASS GRAFT	2,210	6.5	5.6	0.7	9.2	7.9	1.0	10.9	8.9	1.3
INITIAL PACEMAKER INSERTION	1,083	2.9	3.0	0.6	6.5	6.0	0.8	9.8	8.7	1.2
CAROTID ENDARTERECTOMY	798	1.5	1.4	0.6	3.1	2.6	0.7	4.6	3.8	0.9
HIP REPLACEMENT/RECONSTRUCTION	3,200	4.1	2.9	0.4	6.9	5.4	0.6	8.4	7.4	0.6
OPEN REDUCTION OF HIP FRACTURE	1,950	7.5	6.0	0.8	13.0	10.9	1.1	16.5	14.5	1.0
PROSTATECTOMY	4,603	1.1	1.0	0.2	2.1	2.3	0.3	3.6	3.9	0.5
CHOLECYSTECTOMY	3,345	2.8	2.6	0.3	5.1	4.9	0.4	6.8	6.5	0.6
HYSTERECTOMY	1,434	0.3	0.6	0.3	0.9	1.4	0.4	1.5	2.2	0.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 802,044

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.18	29.17	0.06	1.03	0.00	4.85	4.68	0.02	1.04	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.92	0.01	0.97	0.01					
CONGESTIVE HEART FAILURE	1.98	1.79	0.01	1.10	0.01					
PNEUMONIA/INFLUENZA	1.53	1.40	0.01	1.09	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.60	0.59	0.01	1.03	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.40	0.01	0.96	0.02					
STROKE	0.99	0.94	0.01	1.05	0.01					
HIP FRACTURE	0.65	0.62	0.01	1.05	0.01					
SEPSIS	0.40	0.37	0.01	1.09	0.02					
PROCEDURES:										
ANGIOPLASTY	0.40	0.29	0.01	1.36	0.03					
CORONARY ARTERY BYPASS GRAFT	0.44	0.39	0.01	1.12	0.02					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.00	0.97	0.03					
CAROTID ENDARTERECTOMY	0.14	0.13	0.00	1.07	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.49	0.45	0.01	1.09	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.03	0.02					
PROSTATECTOMY	0.70	0.72	0.01	0.97	0.01					
CHOLECYSTECTOMY	0.52	0.47	0.01	1.10	0.02					
HYSTERECTOMY	0.20	0.18	0.00	1.13	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

IOWA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	90,996	8.7	8.2	0.1	13.1	12.6	0.3	16.3	15.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,004	28.9	26.0	0.9	32.8	29.2	1.7	35.3	32.1	1.5
CONGESTIVE HEART FAILURE	4,308	15.6	14.8	0.9	25.0	23.4	1.0	31.4	29.7	1.1
PNEUMONIA/INFLUENZA	4,978	15.2	14.5	0.9	21.1	20.1	0.9	24.8	23.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,518	9.4	7.1	1.0	15.3	12.6	1.1	21.1	16.9	1.5
TRANSIENT CEREBRAL ISCHEMIA	1,288	2.5	1.7	0.5	4.2	4.0	0.6	6.3	6.5	0.8
STROKE	3,366	19.0	19.0	0.7	24.6	25.2	0.8	28.0	29.1	0.9
HIP FRACTURE	2,718	7.1	6.3	0.6	11.6	11.2	0.6	14.5	14.7	0.7
SEPSIS	1,053	24.1	24.8	1.5	32.8	32.7	3.8	37.0	37.5	3.2
PROCEDURES:										
ANGIOPLASTY	935	3.7	3.4	0.7	5.3	4.4	0.8	6.1	5.4	0.8
CORONARY ARTERY BYPASS GRAFT	1,074	5.1	5.3	0.7	7.3	7.4	0.9	8.3	8.4	1.1
INITIAL PACEMAKER INSERTION	539	3.5	3.4	0.8	6.1	6.6	1.5	8.9	9.5	1.7
CAROTID ENDARTERECTOMY	278	1.8	1.6	0.8	2.5	3.0	1.2	4.3	4.3	1.2
HIP REPLACEMENT/RECONSTRUCTION	2,177	3.6	3.0	0.7	6.2	5.5	0.7	8.0	7.5	0.7
OPEN REDUCTION OF HIP FRACTURE	1,202	5.7	5.9	0.8	10.3	10.7	1.0	12.9	14.2	1.5
PROSTATECTOMY	2,613	0.9	1.0	0.3	2.0	2.3	0.4	3.6	4.0	0.5
CHOLECYSTECTOMY	1,942	2.2	2.3	0.5	4.1	4.3	0.9	5.1	5.9	0.9
HYSTERECTOMY	780	0.4	0.6	0.3	0.6	1.3	0.5	1.4	2.1	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 479,571

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.99	28.91	0.08	1.00	0.00	4.69	4.90	0.03	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.01	0.95	0.01	1.06	0.02					
CONGESTIVE HEART FAILURE	1.58	1.73	0.02	0.91	0.01					
PNEUMONIA/INFLUENZA	1.50	1.49	0.02	1.01	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.55	0.01	**	**					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.38	0.01	1.01	0.03					
STROKE	0.95	0.94	0.01	1.01	0.02					
HIP FRACTURE	0.71	0.70	0.01	1.02	0.02					
SEPSIS	0.35	0.35	0.01	0.98	0.03					
PROCEDURES:										
ANGIOPLASTY	0.37	0.27	0.01	1.33	0.04					
CORONARY ARTERY BYPASS GRAFT	0.43	0.38	0.01	1.15	0.03					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.89	0.03					
CAROTID ENDARTERECTOMY	0.09	0.12	0.00	0.74	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.59	0.51	0.01	1.16	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.32	0.01	0.97	0.03					
PROSTATECTOMY	0.73	0.77	0.01	0.94	0.02					
CHOLECYSTECTOMY	0.51	0.48	0.01	1.07	0.02					
HYSTERECTOMY	0.20	0.19	0.01	1.09	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

KANSAS

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	73,224	9.1	8.9	0.1	13.6	13.5	0.3	16.7	16.9	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,226	28.3	27.0	1.0	32.2	30.2	1.6	34.2	33.0	1.3
CONGESTIVE HEART FAILURE	3,466	16.1	15.0	0.8	24.1	23.6	0.7	30.5	29.9	0.9
PNEUMONIA/INFLUENZA	4,527	15.2	15.4	0.6	21.1	21.2	0.8	24.7	25.1	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,102	8.8	7.3	1.5	14.2	13.1	1.5	18.6	17.6	1.4
TRANSIENT CEREBRAL ISCHEMIA	974	2.0	1.9	0.5	4.2	4.4	0.7	7.0	7.1	0.9
STROKE	2,506	21.8	20.3	1.2	28.3	26.9	1.0	32.9	30.8	1.4
HIP FRACTURE	2,087	7.0	6.7	0.7	11.1	11.9	1.1	14.8	15.6	1.5
SEPSIS	854	22.6	25.6	1.7	31.0	33.9	2.7	35.6	38.9	3.1
PROCEDURES:										
ANGIOPLASTY	852	4.1	3.4	0.7	4.8	4.4	0.7	5.8	5.3	0.8
CORONARY ARTERY BYPASS GRAFT	903	6.1	5.6	0.9	8.4	7.9	1.0	9.1	8.8	1.0
INITIAL PACEMAKER INSERTION	522	3.1	3.2	0.9	6.3	6.3	1.1	9.8	9.0	1.5
CAROTID ENDARTERECTOMY	476	2.1	1.6	0.7	2.9	3.0	0.8	4.4	4.4	0.9
HIP REPLACEMENT/RECONSTRUCTION	1,686	3.0	3.1	0.5	5.5	5.8	1.0	7.1	7.9	1.3
OPEN REDUCTION OF HIP FRACTURE	902	7.2	6.1	1.2	10.5	11.2	1.2	14.1	14.9	1.4
PROSTATECTOMY	2,544	1.1	0.9	0.3	2.5	2.1	0.4	3.8	3.7	0.4
CHOLECYSTECTOMY	1,358	3.7	2.5	0.7	5.2	4.6	0.7	6.8	6.2	0.8
HYSTERECTOMY	643	0.8	0.6	0.6	0.8	1.4	0.5	2.0	2.3	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 382,500

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.52	29.16	0.09	1.08	0.00	4.83	4.89	0.04	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.00	0.95	0.02	1.06	0.02					
CONGESTIVE HEART FAILURE	1.75	1.75	0.02	**	**					
PNEUMONIA/INFLUENZA	1.83	1.50	0.02	1.22	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.54	0.01	1.08	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.39	0.01	0.97	0.03					
STROKE	0.98	0.96	0.02	1.03	0.02					
HIP FRACTURE	0.79	0.69	0.01	1.14	0.02					
SEPSIS	0.37	0.36	0.01	1.01	0.03					
PROCEDURES:										
ANGIOPLASTY	0.47	0.27	0.01	1.73	0.06					
CORONARY ARTERY BYPASS GRAFT	0.44	0.38	0.01	1.15	0.03					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.01	1.09	0.04					
CAROTID ENDARTERECTOMY	0.19	0.12	0.01	1.69	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.60	0.50	0.01	1.17	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.32	0.01	1.03	0.03					
PROSTATECTOMY	0.90	0.77	0.01	1.16	0.02					
CHOLECYSTECTOMY	0.49	0.47	0.01	1.04	0.03					
HYSTERECTOMY	0.21	0.19	0.01	1.14	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

KENTUCKY

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	119,013	9.0	8.9	0.1	13.8	13.6	0.2	17.2	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,582	28.1	24.5	0.8	31.4	27.5	1.1	33.8	30.3	1.1
CONGESTIVE HEART FAILURE	5,585	14.6	14.2	0.7	23.2	22.7	0.6	28.8	28.9	0.7
PNEUMONIA/INFLUENZA	7,370	13.5	14.8	0.7	20.2	20.5	0.7	24.4	24.3	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,709	5.9	6.2	0.5	10.6	11.4	0.7	14.5	15.6	1.0
TRANSIENT CEREBRAL ISCHEMIA	2,202	1.5	1.8	0.4	4.1	4.0	0.5	7.0	6.5	0.8
STROKE	4,059	20.5	19.3	1.1	27.6	25.7	1.4	31.2	29.5	1.3
HIP FRACTURE	2,724	7.0	6.4	0.6	11.3	11.3	0.7	13.8	14.7	0.8
SEPSIS	1,363	26.0	24.8	2.1	35.3	32.8	2.4	39.4	37.5	2.0
PROCEDURES:										
ANGIOPLASTY	683	2.2	3.0	1.2	3.4	3.9	1.5	4.0	4.8	1.6
CORONARY ARTERY BYPASS GRAFT	1,327	6.3	5.6	0.9	7.5	8.0	0.8	9.0	9.1	1.1
INITIAL PACEMAKER INSERTION	761	3.4	3.0	0.7	7.0	6.1	1.1	8.8	8.8	1.5
CAROTID ENDARTERECTOMY	563	2.8	1.5	0.8	5.2	2.8	1.2	6.2	4.1	1.2
HIP REPLACEMENT/RECONSTRUCTION	1,757	3.4	3.5	0.6	6.1	6.6	0.8	7.9	8.8	1.0
OPEN REDUCTION OF HIP FRACTURE	1,244	7.0	6.0	1.0	11.2	11.0	0.9	13.7	14.5	1.1
PROSTATECTOMY	2,993	1.3	1.0	0.3	2.6	2.4	0.4	4.6	4.1	0.5
CHOLECYSTECTOMY	2,356	3.1	2.7	0.4	5.9	5.1	0.7	7.8	6.7	0.8
HYSTERECTOMY	842	0.5	0.7	0.4	1.1	1.5	0.5	1.9	2.3	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 563,616

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	34.85	32.11	0.07	1.09	0.00	4.92	4.71	0.03	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.04	1.02	0.01	1.02	0.01					
CONGESTIVE HEART FAILURE	1.98	1.94	0.02	1.02	0.01					
PNEUMONIA/INFLUENZA	2.13	1.78	0.02	1.20	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.97	0.78	0.01	1.22	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.58	0.46	0.01	1.25	0.03					
STROKE	1.07	1.00	0.01	1.06	0.01					
HIP FRACTURE	0.66	0.62	0.01	1.07	0.02					
SEPSIS	0.42	0.37	0.01	1.12	0.03					
PROCEDURES:										
ANGIOPLASTY	0.23	0.29	0.01	0.81	0.02					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.01	1.08	0.02					
INITIAL PACEMAKER INSERTION	0.21	0.20	0.01	1.11	0.04					
CAROTID ENDARTERECTOMY	0.15	0.14	0.00	1.03	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.43	0.01	0.98	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.29	0.01	1.04	0.03					
PROSTATECTOMY	0.69	0.73	0.01	0.94	0.01					
CHOLECYSTECTOMY	0.56	0.54	0.01	1.03	0.02					
HYSTERECTOMY	0.18	0.18	0.01	1.05	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

LOUISIANA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	123,942	8.6	8.5	0.1	13.3	13.2	0.2	16.6	16.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,262	26.4	24.0	1.2	30.7	27.2	1.3	33.5	29.9	1.3
CONGESTIVE HEART FAILURE	7,058	12.8	13.3	0.5	20.3	21.4	0.6	26.0	27.4	0.7
PNEUMONIA/INFLUENZA	6,413	13.3	14.1	0.5	18.3	19.5	0.7	22.1	23.0	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,753	6.0	6.2	0.6	11.1	11.4	1.1	14.9	15.6	1.4
TRANSIENT CEREBRAL ISCHEMIA	2,036	1.8	1.6	0.4	4.0	3.6	0.5	5.6	5.9	0.7
STROKE	4,338	20.7	18.7	0.8	26.6	24.8	0.9	30.4	28.5	1.0
HIP FRACTURE	2,227	6.7	6.1	0.9	10.9	10.8	0.8	14.5	14.1	0.8
SEPSIS	1,683	30.0	25.5	1.5	39.5	34.3	2.1	44.6	39.4	2.4
PROCEDURES:										
ANGIOPLASTY	1,244	2.6	3.0	0.8	3.7	4.0	1.2	4.4	4.9	1.2
CORONARY ARTERY BYPASS GRAFT	1,437	7.5	5.3	0.9	10.1	7.4	1.0	11.5	8.3	1.2
INITIAL PACEMAKER INSERTION	991	2.4	3.1	0.8	5.8	6.1	0.9	9.0	8.9	0.9
CAROTID ENDARTERECTOMY	771	0.9	1.5	0.5	2.2	2.8	0.7	3.4	4.2	0.9
HIP REPLACEMENT/RECONSTRUCTION	1,484	4.4	3.6	0.7	6.6	6.7	0.7	9.1	9.0	0.7
OPEN REDUCTION OF HIP FRACTURE	1,185	4.9	5.4	0.8	9.6	9.9	0.9	13.4	13.2	1.0
PROSTATECTOMY	3,547	1.0	1.0	0.2	2.2	2.2	0.4	3.8	3.8	0.5
CHOLECYSTECTOMY	2,245	3.0	2.8	0.8	5.0	5.1	0.7	6.6	6.8	0.6
HYSTERECTOMY	646	0.9	0.6	0.7	1.1	1.4	0.7	1.9	2.2	1.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 561,350

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	36.17	32.91	0.08	1.10	0.00	4.84	5.18	0.03	0.93	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.91	0.01	1.02	0.01					
CONGESTIVE HEART FAILURE	2.47	2.10	0.02	1.17	0.01					
PNEUMONIA/INFLUENZA	1.82	1.69	0.02	1.08	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.69	0.01	0.86	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.45	0.01	1.16	0.02					
STROKE	1.14	1.13	0.01	1.01	0.01					
HIP FRACTURE	0.53	0.58	0.01	0.92	0.02					
SEPSIS	0.55	0.48	0.01	1.13	0.02					
PROCEDURES:										
ANGIOPLASTY	0.37	0.27	0.01	1.32	0.04					
CORONARY ARTERY BYPASS GRAFT	0.43	0.35	0.01	1.23	0.03					
INITIAL PACEMAKER INSERTION	0.27	0.20	0.01	1.31	0.04					
CAROTID ENDARTERECTOMY	0.20	0.12	0.00	1.71	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.35	0.38	0.01	0.92	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.01	1.00	0.03					
PROSTATECTOMY	0.82	0.72	0.01	1.15	0.02					
CHOLECYSTECTOMY	0.53	0.47	0.01	1.14	0.02					
HYSTERECTOMY	0.14	0.16	0.00	0.87	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

MAINE

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	34,913	9.0	8.9	0.2	13.7	13.5	0.2	17.0	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,414	24.1	25.2	2.3	28.0	28.3	2.9	30.2	31.0	2.6
CONGESTIVE HEART FAILURE	1,789	14.3	14.7	0.9	21.8	23.1	1.2	27.5	29.4	1.5
PNEUMONIA/INFLUENZA	1,673	13.9	14.6	1.1	19.8	20.3	1.2	23.6	24.2	1.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	725	7.2	8.0	1.2	12.6	13.9	1.8	15.9	18.4	2.1
TRANSIENT CEREBRAL ISCHEMIA	344	2.3	1.8	1.0	3.5	3.9	1.4	5.5	6.3	1.8
STROKE	1,109	20.5	20.3	1.3	28.1	26.8	1.8	31.0	30.5	1.4
HIP FRACTURE	954	5.9	6.3	1.2	9.5	11.3	1.5	12.1	14.8	1.9
SEPSIS	292	25.3	26.7	3.1	31.8	35.0	4.3	36.6	39.9	4.5
PROCEDURES:										
ANGIOPLASTY	210	1.9	2.6	1.2	2.4	3.7	1.5	2.9	4.7	1.8
CORONARY ARTERY BYPASS GRAFT	347	7.2	6.0	2.1	10.4	9.0	2.0	11.2	10.3	1.8
INITIAL PACEMAKER INSERTION	204	3.4	3.1	1.3	6.9	6.0	1.8	8.3	8.8	2.2
CAROTID ENDARTERECTOMY	164	2.4	1.3	1.9	4.9	2.5	1.9	4.9	3.6	1.8
HIP REPLACEMENT/RECONSTRUCTION	709	3.2	3.1	0.9	5.4	6.0	1.2	7.2	8.2	1.5
OPEN REDUCTION OF HIP FRACTURE	453	4.4	6.0	1.5	8.6	11.1	2.3	11.0	14.7	2.7
PROSTATECTOMY	917	1.5	0.8	0.7	2.0	1.9	0.5	3.1	3.3	0.9
CHOLECYSTECTOMY	570	3.7	2.5	1.2	5.8	4.7	1.4	7.2	6.2	1.4
HYSTERECTOMY	273	0.4	0.9	0.6	0.4	2.0	1.3	0.7	3.1	1.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 192,726

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.33	28.33	0.12	**	**	4.79	4.69	0.05	1.02	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.14	0.93	0.02	1.22	0.03					
CONGESTIVE HEART FAILURE	1.70	1.68	0.03	1.01	0.02					
PNEUMONIA/INFLUENZA	1.27	1.42	0.03	0.90	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.67	0.56	0.02	1.20	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.38	0.01	0.68	0.03					
STROKE	0.77	0.89	0.02	0.85	0.02					
HIP FRACTURE	0.61	0.64	0.02	0.92	0.03					
SEPSIS	0.26	0.34	0.01	0.76	0.03					
PROCEDURES:										
ANGIOPLASTY	0.22	0.28	0.01	0.80	0.04					
CORONARY ARTERY BYPASS GRAFT	0.36	0.39	0.01	0.94	0.04					
INITIAL PACEMAKER INSERTION	0.16	0.19	0.01	0.81	0.05					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	0.93	0.07					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.48	0.02	0.95	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.30	0.01	0.92	0.04					
PROSTATECTOMY	0.65	0.74	0.02	0.87	0.02					
CHOLECYSTECTOMY	0.38	0.47	0.02	0.80	0.03					
HYSTERECTOMY	0.17	0.18	0.01	0.93	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

MARYLAND

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	107,964	9.0	9.3	0.1	14.2	14.1	0.3	17.7	17.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,192	23.8	25.7	0.9	28.4	28.8	1.3	31.9	31.6	1.5
CONGESTIVE HEART FAILURE	5,554	13.7	14.5	1.0	22.7	23.1	0.9	29.2	29.4	0.9
PNEUMONIA/INFLUENZA	4,368	15.6	16.0	0.7	22.3	22.0	0.8	26.3	25.9	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,754	9.5	9.0	0.8	15.7	15.6	0.9	20.4	20.4	1.2
TRANSIENT CEREBRAL ISCHEMIA	1,685	2.4	1.7	0.6	4.5	3.8	0.7	6.5	6.1	0.8
STROKE	4,064	19.9	19.9	1.0	25.8	26.4	1.3	29.8	30.2	1.6
HIP FRACTURE	2,426	6.1	6.7	0.6	12.2	12.0	0.7	16.7	15.6	0.9
SEPSIS	1,406	27.2	26.8	1.2	38.5	35.3	1.6	43.7	40.2	1.7
PROCEDURES:										
ANGIOPLASTY	426	2.6	2.7	0.8	3.8	3.8	1.0	4.9	4.7	1.1
CORONARY ARTERY BYPASS GRAFT	678	5.8	6.3	1.6	8.1	9.4	1.5	9.7	10.7	1.6
INITIAL PACEMAKER INSERTION	597	3.5	3.4	0.8	7.7	6.6	1.4	9.9	9.5	1.3
CAROTID ENDARTERECTOMY	480	1.9	1.6	0.6	3.3	2.9	0.8	4.8	4.3	1.1
HIP REPLACEMENT/RECONSTRUCTION	1,589	2.6	3.1	0.6	5.7	5.8	0.6	8.2	7.9	0.7
OPEN REDUCTION OF HIP FRACTURE	1,239	6.1	6.2	0.9	12.2	11.4	1.2	16.5	15.1	1.7
PROSTATECTOMY	3,335	1.2	1.1	0.2	2.7	2.5	0.4	4.5	4.2	0.6
CHOLECYSTECTOMY	1,756	3.3	2.9	0.5	5.4	5.4	0.6	7.2	7.3	0.7
HYSTERECTOMY	707	1.4	0.7	1.0	2.3	1.6	1.3	3.0	2.6	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 571,634

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.31	27.37	0.07	1.14	0.00	4.84	4.59	0.03	1.05	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.80	0.01	1.17	0.02					
CONGESTIVE HEART FAILURE	1.98	1.71	0.02	1.16	0.01					
PNEUMONIA/INFLUENZA	1.21	1.09	0.01	1.11	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.46	0.01	1.25	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.44	0.38	0.01	1.17	0.03					
STROKE	1.03	0.94	0.01	1.11	0.01					
HIP FRACTURE	0.56	0.55	0.01	1.04	0.02					
SEPSIS	0.43	0.41	0.01	1.07	0.02					
PROCEDURES:										
ANGIOPLASTY	0.25	0.27	0.01	0.94	0.02					
CORONARY ARTERY BYPASS GRAFT	0.35	0.37	0.01	0.97	0.02					
INITIAL PACEMAKER INSERTION	0.16	0.21	0.01	0.78	0.02					
CAROTID ENDARTERECTOMY	0.13	0.10	0.00	1.22	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.39	0.01	0.97	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.01	1.05	0.03					
PROSTATECTOMY	0.77	0.71	0.01	1.10	0.02					
CHOLECYSTECTOMY	0.40	0.38	0.01	1.07	0.02					
HYSTERECTOMY	0.16	0.16	0.00	0.99	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

MASSACHUSETTS
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	175,437	8.5	9.4	0.1	13.5	14.5	0.1	17.1	18.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	6,142	24.2	25.4	0.8	29.2	28.9	1.2	31.9	31.8	0.9
CONGESTIVE HEART FAILURE	9,023	13.6	15.6	0.4	22.5	24.6	0.5	29.2	31.1	0.6
PNEUMONIA/INFLUENZA	8,383	15.3	17.4	0.5	21.6	24.0	0.5	25.9	28.2	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,241	7.5	8.1	1.1	12.9	14.1	1.3	17.4	18.7	1.4
TRANSIENT CEREBRAL ISCHEMIA	2,266	1.3	1.9	0.6	3.6	4.4	0.8	6.3	7.0	0.9
STROKE	5,876	18.2	20.5	0.6	25.7	27.6	0.6	30.0	31.6	0.6
HIP FRACTURE	4,641	6.0	7.0	0.7	10.7	12.5	0.5	14.1	16.2	0.6
SEPSIS	1,587	22.4	24.7	1.5	30.2	32.8	1.6	35.2	37.6	1.7
PROCEDURES:										
ANGIOPLASTY	772	2.7	2.8	1.0	3.4	4.0	1.2	4.7	5.1	1.2
CORONARY ARTERY BYPASS GRAFT	1,548	6.0	6.3	0.8	8.1	9.4	1.0	8.7	10.8	1.0
INITIAL PACEMAKER INSERTION	1,281	3.0	3.5	0.9	5.8	6.6	1.3	8.8	9.4	1.4
CAROTID ENDARTERECTOMY	482	1.9	1.4	0.8	2.1	2.6	0.9	3.1	3.9	1.1
HIP REPLACEMENT/RECONSTRUCTION	3,245	2.8	3.5	0.4	5.2	6.5	0.6	7.1	8.7	0.6
OPEN REDUCTION OF HIP FRACTURE	2,353	5.4	6.4	0.7	10.2	11.7	0.8	13.6	15.5	1.0
PROSTATECTOMY	4,928	0.8	1.0	0.2	2.2	2.3	0.2	3.8	4.0	0.3
CHOLECYSTECTOMY	2,584	2.4	2.9	0.5	4.3	5.3	0.7	5.4	7.1	0.8
HYSTERECTOMY	1,253	0.6	0.7	0.3	1.2	1.6	0.5	2.4	2.5	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 914,929

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.48	26.66	0.05	1.11	0.00	4.69	4.75	0.02	0.99	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.06	0.84	0.01	1.27	0.01					
CONGESTIVE HEART FAILURE	1.88	1.60	0.01	1.18	0.01					
PNEUMONIA/INFLUENZA	1.38	1.19	0.01	1.16	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.44	0.46	0.01	0.96	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.36	0.01	0.96	0.02					
STROKE	0.86	0.87	0.01	0.99	0.01					
HIP FRACTURE	0.65	0.67	0.01	0.98	0.01					
SEPSIS	0.29	0.35	0.01	0.84	0.01					
PROCEDURES:										
ANGIOPLASTY	0.18	0.26	0.00	0.70	0.01					
CORONARY ARTERY BYPASS GRAFT	0.33	0.35	0.01	0.94	0.02					
INITIAL PACEMAKER INSERTION	0.20	0.20	0.00	1.02	0.02					
CAROTID ENDARTERECTOMY	0.07	0.10	0.00	0.74	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.47	0.01	0.92	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.32	0.32	0.01	**	**					
PROSTATECTOMY	0.67	0.68	0.01	0.98	0.01					
CHOLECYSTECTOMY	0.36	0.39	0.01	0.95	0.02					
HYSTERECTOMY	0.16	0.17	0.00	0.92	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

MICHIGAN

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	225,069	9.4	9.4	0.1	14.5	14.2	0.3	18.0	17.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	7,307	24.5	25.2	0.6	28.4	28.3	1.0	31.2	30.9	1.0
CONGESTIVE HEART FAILURE	12,802	14.5	14.5	0.5	23.2	23.0	0.5	29.5	29.2	0.5
PNEUMONIA/INFLUENZA	9,634	15.8	16.1	0.6	22.5	22.0	0.6	26.8	25.9	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,968	8.7	9.7	0.8	15.6	16.3	0.9	20.8	21.1	1.0
TRANSIENT CEREBRAL ISCHEMIA	3,544	2.0	1.8	0.3	4.5	4.1	0.4	7.1	6.6	0.6
STROKE	8,898	18.7	19.5	0.6	26.1	26.3	0.6	30.0	30.1	0.7
HIP FRACTURE	5,424	7.7	7.0	0.5	13.3	12.2	0.7	17.1	15.8	0.8
SEPSIS	2,859	25.7	26.5	0.9	36.4	34.9	1.4	41.7	39.7	1.8
PROCEDURES:										
ANGIOPLASTY	2,303	2.9	2.9	0.4	4.0	3.8	0.6	5.4	4.7	0.8
CORONARY ARTERY BYPASS GRAFT	3,409	5.6	5.4	0.5	7.8	7.7	0.5	9.0	8.7	0.6
INITIAL PACEMAKER INSERTION	1,579	3.5	3.1	0.7	7.4	6.1	1.1	9.4	8.9	1.2
CAROTID ENDARTERECTOMY	1,551	1.0	1.6	0.5	2.1	2.9	0.7	3.1	4.2	0.8
HIP REPLACEMENT/RECONSTRUCTION	4,417	3.5	3.0	0.4	6.2	5.6	0.6	8.2	7.5	0.6
OPEN REDUCTION OF HIP FRACTURE	2,931	6.7	6.5	0.5	12.7	11.7	1.0	16.4	15.4	1.2
PROSTATECTOMY	7,995	0.8	0.9	0.1	2.2	2.0	0.2	3.6	3.5	0.2
CHOLECYSTECTOMY	4,439	2.8	2.5	0.5	4.6	4.6	0.5	5.9	6.2	0.6
HYSTERECTOMY	1,961	0.9	0.6	0.6	1.8	1.3	1.1	2.3	2.2	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,298,138

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.57	28.05	0.05	0.98	0.00	4.62	4.56	0.02	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.86	0.01	1.04	0.01					
CONGESTIVE HEART FAILURE	1.85	1.72	0.01	1.08	0.01					
PNEUMONIA/INFLUENZA	1.13	1.27	0.01	0.89	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.55	0.01	0.80	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.38	0.00	1.04	0.01					
STROKE	0.97	0.91	0.01	1.07	0.01					
HIP FRACTURE	0.54	0.56	0.01	0.97	0.01					
SEPSIS	0.38	0.37	0.00	1.03	0.01					
PROCEDURES:										
ANGIOPLASTY	0.31	0.28	0.00	1.11	0.02					
CORONARY ARTERY BYPASS GRAFT	0.45	0.38	0.00	1.18	0.02					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.00	0.94	0.02					
CAROTID ENDARTERECTOMY	0.17	0.12	0.00	1.45	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.42	0.01	1.06	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.27	0.00	1.05	0.02					
PROSTATECTOMY	0.79	0.73	0.01	1.08	0.01					
CHOLECYSTECTOMY	0.44	0.44	0.01	1.01	0.01					
HYSTERECTOMY	0.18	0.17	0.00	1.06	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

MINNESOTA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	108,742	8.3	8.6	0.1	12.3	13.2	0.2	15.4	16.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,554	25.5	25.6	0.7	29.1	28.9	1.1	31.6	31.7	0.9
CONGESTIVE HEART FAILURE	4,921	14.7	15.1	0.6	22.5	23.7	1.0	29.4	30.0	1.1
PNEUMONIA/INFLUENZA	5,375	14.5	16.0	0.6	20.0	22.0	0.9	24.5	26.1	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,254	8.9	8.4	0.8	13.7	14.6	1.1	19.7	19.4	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,368	1.7	1.8	0.4	3.7	4.1	0.7	6.7	6.7	0.7
STROKE	3,829	20.6	20.4	0.7	26.5	26.8	0.8	29.3	30.7	0.8
HIP FRACTURE	2,811	7.4	6.7	0.5	12.0	11.9	0.7	14.5	15.6	0.8
SEPSIS	1,037	20.9	24.5	1.5	27.1	32.1	2.6	31.7	36.8	3.0
PROCEDURES:										
ANGIOPLASTY	940	2.9	3.1	0.7	3.7	4.0	1.0	4.5	5.0	1.1
CORONARY ARTERY BYPASS GRAFT	1,198	5.8	5.6	1.0	7.7	8.0	1.0	8.8	9.1	1.2
INITIAL PACEMAKER INSERTION	706	4.0	3.7	0.8	7.4	7.0	1.1	10.3	9.9	1.2
CAROTID ENDARTERECTOMY	249	1.2	1.6	0.9	3.2	3.0	1.1	3.6	4.4	1.4
HIP REPLACEMENT/RECONSTRUCTION	2,847	2.4	2.6	0.4	4.5	4.8	0.7	5.7	6.6	1.0
OPEN REDUCTION OF HIP FRACTURE	1,159	7.6	6.3	0.9	11.9	11.6	1.0	14.6	15.4	1.1
PROSTATECTOMY	3,810	0.7	1.0	0.2	1.7	2.4	0.4	2.6	4.1	0.8
CHOLECYSTECTOMY	2,015	2.6	2.8	0.6	4.4	5.3	0.7	6.2	7.2	0.9
HYSTERECTOMY	1,138	0.5	0.6	0.4	1.3	1.4	0.8	2.2	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 617,707

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.27	28.02	0.07	0.90	0.00	4.56	4.83	0.03	0.94	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.91	0.92	0.01	0.98	0.01					
CONGESTIVE HEART FAILURE	1.43	1.66	0.02	0.86	0.01					
PNEUMONIA/INFLUENZA	1.29	1.44	0.01	0.90	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.37	0.52	0.01	0.71	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.30	0.36	0.01	0.85	0.02					
STROKE	0.83	0.92	0.01	0.90	0.01					
HIP FRACTURE	0.60	0.68	0.01	0.89	0.01					
SEPSIS	0.28	0.35	0.01	0.77	0.02					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	0.95	0.02					
CORONARY ARTERY BYPASS GRAFT	0.32	0.37	0.01	0.84	0.02					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.80	0.03					
CAROTID ENDARTERECTOMY	0.06	0.12	0.00	0.51	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.50	0.01	1.04	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.32	0.01	0.77	0.02					
PROSTATECTOMY	0.71	0.78	0.01	0.91	0.01					
CHOLECYSTECTOMY	0.41	0.46	0.01	0.90	0.02					
HYSTERECTOMY	0.19	0.18	0.00	1.06	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

MISSISSIPPI

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	84,297	8.7	8.6	0.1	13.1	13.3	0.3	16.3	16.7	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,100	30.4	27.7	1.5	34.7	30.8	1.7	36.7	33.7	1.4
CONGESTIVE HEART FAILURE	4,301	15.2	14.0	0.8	23.6	22.4	0.8	29.2	28.5	0.7
PNEUMONIA/INFLUENZA	4,805	13.1	14.8	0.6	18.1	20.5	0.8	22.0	24.1	1.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,799	6.7	6.7	0.8	11.3	12.2	1.0	14.9	16.5	1.3
TRANSIENT CEREBRAL ISCHEMIA	1,560	1.5	1.7	0.4	4.0	3.9	0.6	6.9	6.3	0.7
STROKE	2,959	21.7	19.7	1.0	28.5	26.2	1.1	32.8	30.2	1.3
HIP FRACTURE	1,495	8.1	6.5	1.3	11.8	11.5	1.2	15.1	14.9	1.2
SEPSIS	1,063	28.0	27.5	1.4	37.2	35.7	2.4	42.3	40.5	3.2
PROCEDURES:										
ANGIOPLASTY	279	3.6	3.5	1.1	6.1	4.4	1.5	6.8	5.3	1.5
CORONARY ARTERY BYPASS GRAFT	491	6.3	5.1	1.7	7.5	7.0	1.4	8.1	7.8	1.3
INITIAL PACEMAKER INSERTION	515	3.3	3.1	0.8	7.4	6.1	1.3	10.5	8.7	1.7
CAROTID ENDARTERECTOMY	318	1.6	1.5	0.7	2.5	2.9	1.0	3.8	4.3	1.4
HIP REPLACEMENT/RECONSTRUCTION	901	4.8	3.9	1.0	7.2	7.2	1.0	9.7	9.7	1.0
OPEN REDUCTION OF HIP FRACTURE	745	7.8	6.0	1.3	11.8	11.0	1.3	14.6	14.5	1.5
PROSTATECTOMY	1,843	1.1	1.1	0.3	2.7	2.6	0.5	4.4	4.4	0.7
CHOLECYSTECTOMY	1,233	3.1	2.5	0.8	5.2	4.7	0.7	6.6	6.4	0.7
HYSTERECTOMY	437	1.4	0.6	1.1	1.8	1.2	1.4	1.8	1.9	1.3

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 386,660

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	38.00	33.35	0.09	1.14	0.00	4.98	5.11	0.04	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.91	0.01	0.99	0.02					
CONGESTIVE HEART FAILURE	2.20	2.13	0.02	1.03	0.01					
PNEUMONIA/INFLUENZA	1.98	1.70	0.02	1.17	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.95	0.68	0.01	1.38	0.03					
TRANSIENT CEREBRAL ISCHEMIA	0.64	0.45	0.01	1.40	0.03					
STROKE	1.20	1.16	0.02	1.04	0.02					
HIP FRACTURE	0.55	0.56	0.01	0.98	0.02					
SEPSIS	0.51	0.48	0.01	1.07	0.03					
PROCEDURES:										
ANGIOPLASTY	0.19	0.25	0.01	0.80	0.03					
CORONARY ARTERY BYPASS GRAFT	0.30	0.34	0.01	0.89	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.10	0.04					
CAROTID ENDARTERECTOMY	0.14	0.11	0.01	1.39	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.37	0.01	0.93	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.27	0.01	0.96	0.03					
PROSTATECTOMY	0.68	0.71	0.01	0.97	0.02					
CHOLECYSTECTOMY	0.47	0.47	0.01	1.01	0.02					
HYSTERECTOMY	0.15	0.16	0.01	0.92	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

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MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	172,695	9.1	9.3	0.1	13.9	14.1	0.1	17.2	17.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	5,571	25.1	26.6	1.0	29.7	29.7	1.5	31.6	32.4	1.1
CONGESTIVE HEART FAILURE	9,066	14.8	14.7	0.4	22.8	23.3	0.5	28.8	29.5	0.5
PNEUMONIA/INFLUENZA	10,199	14.7	15.4	0.5	20.5	21.3	0.6	24.4	25.1	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	3,236	6.9	7.7	0.7	12.5	13.5	1.0	17.0	17.9	1.2
TRANSIENT CEREBRAL ISCHEMIA	2,452	2.0	1.8	0.3	4.5	4.0	0.6	6.4	6.6	0.5
STROKE	6,532	18.0	19.8	0.7	23.9	26.0	0.8	27.6	29.8	0.8
HIP FRACTURE	4,891	6.5	6.5	0.6	11.2	11.5	0.9	13.6	15.1	0.9
SEPSIS	1,931	23.0	24.4	1.2	31.0	32.5	1.5	36.4	37.3	2.1
PROCEDURES:										
ANGIOPLASTY	2,757	3.9	3.6	0.4	5.4	4.6	0.6	6.2	5.5	0.6
CORONARY ARTERY BYPASS GRAFT	2,815	6.4	6.1	0.5	8.9	8.6	0.6	10.2	9.7	0.8
INITIAL PACEMAKER INSERTION	1,351	2.1	3.3	0.8	5.2	6.4	1.0	7.7	9.2	1.2
CAROTID ENDARTERECTOMY	870	1.6	1.6	0.5	3.0	2.9	0.6	4.1	4.2	0.7
HIP REPLACEMENT/RECONSTRUCTION	3,430	3.3	3.5	0.4	6.0	6.5	0.7	7.7	8.8	0.8
OPEN REDUCTION OF HIP FRACTURE	2,336	6.4	6.0	0.6	11.7	11.0	0.9	14.5	14.7	1.0
PROSTATECTOMY	5,227	0.9	1.1	0.2	2.4	2.5	0.2	4.0	4.2	0.3
CHOLECYSTECTOMY	3,251	3.4	2.7	0.7	5.5	5.0	0.7	6.8	6.7	0.7
HYSTERECTOMY	1,510	0.9	0.8	0.6	1.8	1.8	0.9	2.6	2.8	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 823,388

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.79	29.94	0.06	1.03	0.00	4.88	4.86	0.02	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.95	0.01	1.02	0.01					
CONGESTIVE HEART FAILURE	1.97	1.84	0.01	1.07	0.01					
PNEUMONIA/INFLUENZA	1.83	1.52	0.01	1.20	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.70	0.60	0.01	1.16	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.41	0.41	0.01	**	**					
STROKE	1.08	0.98	0.01	1.09	0.01					
HIP FRACTURE	0.76	0.65	0.01	1.15	0.02					
SEPSIS	0.38	0.38	0.01	1.01	0.02					
PROCEDURES:										
ANGIOPLASTY	0.43	0.28	0.01	1.50	0.03					
CORONARY ARTERY BYPASS GRAFT	0.45	0.38	0.01	1.18	0.02					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.00	1.09	0.03					
CAROTID ENDARTERECTOMY	0.14	0.12	0.00	1.07	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.51	0.46	0.01	1.11	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.37	0.31	0.01	1.18	0.02					
PROSTATECTOMY	0.78	0.74	0.01	1.05	0.01					
CHOLECYSTECTOMY	0.49	0.48	0.01	1.02	0.02					
HYSTERECTOMY	0.20	0.18	0.00	1.09	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

MONTANA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24,974	7.6	7.8	0.2	11.5	12.2	0.2	14.5	15.5	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	655	24.3	25.6	1.8	26.3	28.5	2.0	29.0	31.2	2.4
CONGESTIVE HEART FAILURE	1,005	12.4	14.0	1.2	20.0	22.4	1.7	25.2	28.6	2.0
PNEUMONIA/INFLUENZA	1,160	11.6	13.5	1.4	16.1	19.0	1.6	20.8	22.8	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	521	7.9	8.0	1.5	12.7	14.1	2.4	17.7	18.7	3.1
TRANSIENT CEREBRAL ISCHEMIA	288	1.7	1.8	1.3	4.2	4.2	1.3	7.3	6.8	1.6
STROKE	781	20.6	19.4	1.5	24.8	25.9	1.6	28.4	30.1	1.9
HIP FRACTURE	594	7.1	6.3	2.1	12.8	11.3	2.1	15.5	14.9	2.0
SEPSIS	213	20.2	24.2	3.3	26.8	32.0	4.2	31.0	36.8	4.2
PROCEDURES:										
ANGIOPLASTY	396	5.1	3.1	1.0	5.8	4.0	1.1	6.6	4.9	1.2
CORONARY ARTERY BYPASS GRAFT	307	4.6	5.6	2.6	6.5	7.8	2.6	7.8	8.9	2.6
INITIAL PACEMAKER INSERTION	144	4.9	2.8	2.1	9.0	5.4	3.4	11.8	7.9	4.1
CAROTID ENDARTERECTOMY	94	2.1	1.5	2.1	4.3	2.8	2.6	4.3	4.1	2.7
HIP REPLACEMENT/RECONSTRUCTION	545	3.9	2.9	1.0	7.0	5.4	1.4	8.6	7.4	1.5
OPEN REDUCTION OF HIP FRACTURE	215	5.1	5.6	1.9	10.7	10.3	2.2	13.5	13.7	2.4
PROSTATECTOMY	780	0.8	0.9	0.4	2.4	2.1	0.7	3.1	3.6	0.8
CHOLECYSTECTOMY	485	3.3	2.4	1.0	5.8	4.4	1.4	6.8	5.8	1.4
HYSTERECTOMY	171	1.2	0.8	1.0	1.2	1.7	1.2	1.2	2.7	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 123,292

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	32.21	28.56	0.15	1.13	0.01	4.39	4.58	0.06	0.96	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.83	0.96	0.03	1.00	0.03					
CONGESTIVE HEART FAILURE	1.49	1.65	0.04	0.90	0.02					
PNEUMONIA/INFLUENZA	1.51	1.52	0.03	0.99	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.61	0.02	1.28	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.33	0.37	0.02	0.86	0.04					
STROKE	0.89	0.91	0.03	0.97	0.03					
HIP FRACTURE	0.66	0.60	0.02	1.08	0.04					
SEPSIS	0.30	0.34	0.02	0.90	0.05					
PROCEDURES:										
ANGIOPLASTY	0.52	0.30	0.02	1.69	0.10					
CORONARY ARTERY BYPASS GRAFT	0.44	0.41	0.02	1.10	0.05					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.01	0.82	0.06					
CAROTID ENDARTERECTOMY	0.11	0.14	0.01	0.94	0.09					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.47	0.02	1.26	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.29	0.01	0.85	0.05					
PROSTATECTOMY	0.84	0.82	0.03	1.00	0.03					
CHOLECYSTECTOMY	0.54	0.50	0.02	1.07	0.05					
HYSTERECTOMY	0.17	0.18	0.01	0.95	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

NEBRASKA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	45,693	9.6	8.5	0.3	14.1	13.0	0.4	17.5	16.4	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,570	28.0	25.4	1.4	31.9	28.5	1.8	33.6	31.3	1.5
CONGESTIVE HEART FAILURE	2,034	17.3	14.9	1.1	25.3	23.5	1.1	32.0	29.7	1.4
PNEUMONIA/INFLUENZA	2,808	16.0	14.8	1.3	22.3	20.5	1.5	26.3	24.4	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	633	13.0	7.9	1.5	20.7	13.9	2.0	26.4	18.5	2.3
TRANSIENT CEREBRAL ISCHEMIA	432	1.4	1.7	0.7	3.5	3.8	1.3	6.0	6.3	1.6
STROKE	1,603	21.7	19.6	1.8	27.5	25.9	1.7	32.1	29.9	1.8
HIP FRACTURE	1,439	8.0	6.3	1.0	12.4	11.3	1.1	15.6	14.8	1.0
SEPSIS	385	20.3	22.3	2.5	28.6	30.5	3.1	33.2	35.5	3.8
PROCEDURES:										
ANGIOPLASTY	447	7.8	3.9	1.6	8.5	4.8	1.5	10.1	5.7	1.7
CORONARY ARTERY BYPASS GRAFT	651	7.1	6.0	1.3	9.2	8.3	1.3	10.1	9.3	1.2
INITIAL PACEMAKER INSERTION	422	2.4	3.0	0.9	4.0	5.8	1.5	4.7	8.4	1.8
CAROTID ENDARTERECTOMY	193	1.6	1.4	1.4	2.1	2.7	1.7	3.1	4.1	2.4
HIP REPLACEMENT/RECONSTRUCTION	1,264	3.2	3.0	0.5	5.9	5.6	0.7	7.4	7.6	0.8
OPEN REDUCTION OF HIP FRACTURE	478	7.5	5.7	2.2	11.7	10.5	2.2	15.3	14.0	2.1
PROSTATECTOMY	1,714	0.9	1.0	0.2	2.0	2.2	0.4	3.8	3.9	0.5
CHOLECYSTECTOMY	994	2.9	2.5	0.7	4.4	4.6	0.8	5.5	6.2	0.8
HYSTERECTOMY	511	0.2	0.8	0.4	1.6	1.7	1.0	2.7	2.7	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 250,007

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.86	28.83	0.11	0.93	0.00	4.87	4.92	0.04	0.99	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.93	0.95	0.02	0.97	0.02					
CONGESTIVE HEART FAILURE	1.43	1.72	0.03	0.82	0.01					
PNEUMONIA/INFLUENZA	1.63	1.48	0.02	1.09	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.53	0.01	0.81	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.25	0.38	0.01	0.70	0.03					
STROKE	0.87	0.95	0.02	0.90	0.02					
HIP FRACTURE	0.73	0.70	0.02	1.03	0.03					
SEPSIS	0.25	0.36	0.01	0.72	0.03					
PROCEDURES:										
ANGIOPLASTY	0.26	0.27	0.01	0.97	0.04					
CORONARY ARTERY BYPASS GRAFT	0.37	0.38	0.01	0.97	0.03					
INITIAL PACEMAKER INSERTION	0.22	0.21	0.01	1.05	0.05					
CAROTID ENDARTERECTOMY	0.12	0.12	0.01	1.05	0.08					
HIP REPLACEMENT/RECONSTRUCTION	0.62	0.52	0.01	1.19	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.33	0.01	0.72	0.03					
PROSTATECTOMY	0.86	0.79	0.02	1.08	0.03					
CHOLECYSTECTOMY	0.51	0.47	0.01	1.09	0.03					
HYSTERECTOMY	0.24	0.19	0.01	1.23	0.07					

** QUANTITIES COULD NOT BE ESTIMATED

NEVADA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	25,089	10.0	9.2	0.3	14.8	13.7	0.4	18.2	17.0	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	959	21.5	21.8	1.4	24.7	24.3	1.7	27.2	26.6	2.3
CONGESTIVE HEART FAILURE	1,155	13.5	12.8	1.6	20.9	20.5	1.8	27.4	26.2	2.1
PNEUMONIA/INFLUENZA	1,108	13.4	12.8	1.5	18.8	17.7	1.3	22.7	21.1	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	527	10.2	8.5	1.6	16.3	14.5	1.9	21.3	19.0	2.3
TRANSIENT CEREBRAL ISCHEMIA	355	0.8	1.6	0.8	2.5	3.5	1.1	3.9	5.6	1.6
STROKE	974	18.4	17.1	2.1	24.1	23.0	2.0	27.9	26.5	2.1
HIP FRACTURE	637	6.0	6.3	1.0	11.0	11.0	1.4	15.7	14.2	2.0
SEPSIS	342	24.3	25.6	3.4	33.3	32.9	4.7	36.5	37.3	4.8
PROCEDURES:										
ANGIOPLASTY	457	4.4	3.6	1.1	4.8	4.7	1.0	6.1	5.7	1.1
CORONARY ARTERY BYPASS GRAFT	527	8.5	6.3	1.8	12.0	8.8	2.4	12.9	9.9	2.5
INITIAL PACEMAKER INSERTION	222	3.6	2.7	1.5	5.9	5.4	1.6	7.7	7.8	1.9
CAROTID ENDARTERECTOMY	171	2.3	1.4	1.5	4.1	2.6	1.9	4.1	3.9	1.8
HIP REPLACEMENT/RECONSTRUCTION	518	3.3	2.9	1.3	7.3	5.3	1.7	9.8	7.1	2.2
OPEN REDUCTION OF HIP FRACTURE	339	4.7	5.6	1.8	8.6	10.2	2.1	13.9	13.4	2.0
PROSTATECTOMY	1,057	1.1	0.9	0.3	2.3	2.0	0.5	3.3	3.4	0.6
CHOLECYSTECTOMY	556	5.2	2.8	1.3	8.3	5.1	1.7	9.4	6.8	1.6
HYSTERECTOMY	203	1.0	0.5	1.0	2.0	1.2	1.7	2.0	2.0	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 148,971

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.25	25.49	0.13	0.91	0.00	4.19	3.95	0.05	1.06	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.74	0.85	0.02	0.87	0.02					
CONGESTIVE HEART FAILURE	1.25	1.48	0.03	0.84	0.02					
PNEUMONIA/INFLUENZA	1.03	1.07	0.03	0.96	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.59	0.53	0.02	1.12	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.35	0.01	0.83	0.04					
STROKE	0.77	0.81	0.02	0.95	0.03					
HIP FRACTURE	0.48	0.46	0.02	1.09	0.04					
SEPSIS	0.33	0.33	0.01	1.04	0.05					
PROCEDURES:										
ANGIOPLASTY	0.38	0.35	0.02	1.07	0.05					
CORONARY ARTERY BYPASS GRAFT	0.43	0.47	0.02	0.92	0.04					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.01	0.93	0.06					
CAROTID ENDARTERECTOMY	0.14	0.16	0.01	0.85	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.39	0.02	1.05	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.23	0.01	1.08	0.06					
PROSTATECTOMY	0.83	0.83	0.02	1.01	0.03					
CHOLECYSTECTOMY	0.46	0.45	0.02	1.00	0.04					
HYSTERECTOMY	0.16	0.18	0.01	0.89	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

NEW HAMPSHIRE

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24,670	9.5	9.0	0.3	14.0	13.7	0.3	17.2	17.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,002	25.8	24.9	1.7	30.1	28.1	2.2	32.9	30.9	2.4
CONGESTIVE HEART FAILURE	1,268	13.5	14.7	1.1	22.4	23.2	1.5	29.4	29.4	1.3
PNEUMONIA/INFLUENZA	1,115	13.6	14.9	2.1	20.0	20.6	2.1	23.8	24.3	2.0
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	457	10.1	8.5	2.2	14.2	14.8	1.7	19.7	19.4	1.9
TRANSIENT CEREBRAL ISCHEMIA	312	2.2	1.7	1.1	4.8	3.8	2.0	7.4	6.2	2.8
STROKE	907	21.5	19.4	1.6	26.9	26.0	1.5	29.9	29.9	1.6
HIP FRACTURE	719	7.2	6.4	1.3	12.5	11.5	1.6	15.6	15.1	1.9
SEPSIS	250	21.6	23.4	2.8	27.2	30.7	3.5	30.8	35.1	4.1
PROCEDURES:										
ANGIOPLASTY	150	2.7	2.7	1.4	3.3	3.6	1.5	3.3	4.6	1.9
CORONARY ARTERY BYPASS GRAFT	282	6.0	6.5	2.0	8.5	9.5	2.1	8.9	10.8	2.3
INITIAL PACEMAKER INSERTION	172	4.7	3.3	2.6	8.1	6.3	3.3	11.6	9.0	3.3
CAROTID ENDARTERECTOMY	68	2.9	1.3	2.0	2.9	2.4	2.0	2.9	3.5	2.6
HIP REPLACEMENT/RECONSTRUCTION	525	4.6	3.1	1.1	6.5	5.8	1.3	8.2	7.9	1.3
OPEN REDUCTION OF HIP FRACTURE	350	6.3	5.9	1.4	12.6	11.0	2.4	15.1	14.6	3.0
PROSTATECTOMY	653	0.6	0.9	0.4	1.2	2.0	0.9	2.8	3.5	1.1
CHOLECYSTECTOMY	470	2.1	2.7	1.2	3.8	4.9	1.2	4.9	6.6	1.4
HYSTERECTOMY	270	1.5	0.5	1.2	1.9	1.2	1.2	2.6	2.1	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 144,332

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.19	26.13	0.13	1.00	0.00	4.69	4.56	0.06	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.05	0.85	0.02	1.24	0.04					
CONGESTIVE HEART FAILURE	1.64	1.54	0.03	1.07	0.02					
PNEUMONIA/INFLUENZA	1.11	1.17	0.03	0.96	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.55	0.46	0.02	1.18	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.35	0.02	0.88	0.04					
STROKE	0.83	0.84	0.02	1.00	0.03					
HIP FRACTURE	0.61	0.62	0.02	0.96	0.03					
SEPSIS	0.27	0.33	0.01	0.82	0.04					
PROCEDURES:										
ANGIOPLASTY	0.20	0.28	0.01	0.73	0.04					
CORONARY ARTERY BYPASS GRAFT	0.39	0.38	0.02	1.01	0.05					
INITIAL PACEMAKER INSERTION	0.18	0.19	0.01	0.95	0.06					
CAROTID ENDARTERECTOMY	0.07	0.11	0.01	0.60	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.47	0.02	0.97	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.30	0.01	0.97	0.05					
PROSTATECTOMY	0.61	0.73	0.02	0.84	0.03					
CHOLECYSTECTOMY	0.42	0.41	0.02	1.00	0.04					
HYSTERECTOMY	0.21	0.18	0.01	1.15	0.08					

** QUANTITIES COULD NOT BE ESTIMATED

NEW JERSEY

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	211,846	9.2	9.4	0.1	14.8	14.4	0.2	18.6	18.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	6,400	27.5	27.2	0.6	31.8	30.3	0.7	34.7	33.0	0.9
CONGESTIVE HEART FAILURE	12,389	13.9	14.9	0.3	23.2	23.6	0.4	30.0	29.8	0.5
PNEUMONIA/INFLUENZA	8,272	18.3	17.8	0.5	25.8	24.2	0.7	29.9	28.3	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	3,210	9.1	9.5	0.6	16.4	16.1	0.7	21.4	20.9	0.9
TRANSIENT CEREBRAL ISCHEMIA	4,498	1.6	2.0	0.4	4.3	4.3	0.3	7.0	6.9	0.4
STROKE	7,975	19.8	20.7	0.6	28.5	27.5	0.5	32.8	31.3	0.5
HIP FRACTURE	4,899	6.1	6.8	0.5	11.6	12.0	0.7	15.2	15.6	0.6
SEPSIS	2,487	30.7	29.5	1.1	41.3	38.1	1.3	46.7	43.1	1.5
PROCEDURES:										
ANGIOPLASTY	1,036	2.3	2.6	0.7	3.3	3.6	0.6	4.0	4.5	0.7
CORONARY ARTERY BYPASS GRAFT	1,715	7.5	6.0	1.1	10.6	8.8	1.0	12.5	10.1	1.3
INITIAL PACEMAKER INSERTION	1,998	3.5	3.5	0.4	7.2	6.7	0.7	11.1	9.6	1.3
CAROTID ENDARTERECTOMY	700	1.7	1.6	0.5	4.1	3.0	0.9	6.4	4.4	1.4
HIP REPLACEMENT/RECONSTRUCTION	3,018	3.5	3.8	0.5	6.8	7.1	0.9	9.0	9.5	1.0
OPEN REDUCTION OF HIP FRACTURE	2,562	5.6	6.3	0.7	11.1	11.5	0.7	14.9	15.1	0.7
PROSTATECTOMY	6,913	0.9	1.1	0.3	2.7	2.6	0.2	4.6	4.4	0.3
CHOLECYSTECTOMY	3,341	2.6	2.9	0.5	5.3	5.3	0.8	6.9	7.0	0.7
HYSTERECTOMY	1,458	0.4	0.8	0.2	1.6	1.8	0.8	3.2	2.8	1.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,151,487

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.18	26.08	0.05	1.16	0.00	4.73	4.46	0.02	1.06	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.80	0.01	1.10	0.01					
CONGESTIVE HEART FAILURE	2.03	1.58	0.01	1.29	0.01					
PNEUMONIA/INFLUENZA	1.08	1.06	0.01	1.02	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.49	0.44	0.01	1.13	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.54	0.36	0.01	1.53	0.02					
STROKE	0.95	0.87	0.01	1.09	0.01					
HIP FRACTURE	0.55	0.58	0.01	0.96	0.01					
SEPSIS	0.38	0.36	0.01	1.06	0.02					
PROCEDURES:										
ANGIOPLASTY	0.24	0.27	0.00	0.91	0.02					
CORONARY ARTERY BYPASS GRAFT	0.36	0.37	0.01	0.99	0.01					
INITIAL PACEMAKER INSERTION	0.25	0.20	0.00	1.24	0.03					
CAROTID ENDARTERECTOMY	0.10	0.10	0.00	1.02	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.42	0.01	0.88	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.00	0.99	0.02					
PROSTATECTOMY	0.79	0.71	0.01	1.12	0.01					
CHOLECYSTECTOMY	0.38	0.37	0.01	1.01	0.02					
HYSTERECTOMY	0.16	0.17	0.00	0.93	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

NEW MEXICO

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	31,443	8.8	8.1	0.3	12.7	12.3	0.2	15.7	15.5	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	892	21.2	23.9	1.7	23.9	26.6	2.1	25.3	29.1	2.0
CONGESTIVE HEART FAILURE	1,296	14.4	14.1	1.1	21.8	22.4	1.6	27.6	28.7	2.2
PNEUMONIA/INFLUENZA	2,166	13.8	14.0	0.8	18.1	19.4	1.0	21.0	23.0	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	554	8.1	7.4	1.2	13.2	13.1	1.5	18.4	17.5	1.9
TRANSIENT CEREBRAL ISCHEMIA	342	1.5	1.5	0.8	3.8	3.4	1.5	7.3	5.7	2.1
STROKE	890	21.7	20.0	2.8	29.0	26.1	3.1	31.7	29.9	3.0
HIP FRACTURE	886	7.6	5.7	1.4	11.4	10.2	1.5	14.4	13.5	1.4
SEPSIS	330	21.8	24.3	2.6	26.1	31.9	3.3	31.2	36.5	3.5
PROCEDURES:										
ANGIOPLASTY	202	2.0	2.6	1.7	3.0	3.4	2.1	3.5	4.2	2.1
CORONARY ARTERY BYPASS GRAFT	218	2.8	5.3	2.2	4.1	7.5	2.5	6.0	8.5	2.8
INITIAL PACEMAKER INSERTION	137	2.9	3.0	1.7	6.6	5.8	2.3	10.2	8.4	2.8
CAROTID ENDARTERECTOMY	92	2.2	1.3	1.5	2.2	2.5	1.7	3.3	3.7	2.0
HIP REPLACEMENT/RECONSTRUCTION	600	2.7	2.9	0.7	5.5	5.5	1.1	8.5	7.6	1.3
OPEN REDUCTION OF HIP FRACTURE	431	8.1	5.2	2.2	11.1	9.6	2.1	13.9	12.9	2.1
PROSTATECTOMY	1,057	0.9	0.8	0.4	1.8	1.8	0.7	2.6	3.2	0.9
CHOLECYSTECTOMY	799	5.1	2.6	1.2	6.8	4.7	1.0	7.9	6.2	1.0
HYSTERECTOMY	236	1.7	0.6	1.1	3.8	1.4	2.3	5.1	2.2	2.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 188,310

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.58	28.56	0.12	0.93	0.00	4.02	4.49	0.05	0.90	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.95	0.02	0.82	0.02					
CONGESTIVE HEART FAILURE	1.27	1.66	0.03	0.76	0.01					
PNEUMONIA/INFLUENZA	1.71	1.48	0.03	1.14	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.63	0.02	0.81	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.26	0.38	0.01	0.66	0.03					
STROKE	0.68	0.90	0.02	0.75	0.02					
HIP FRACTURE	0.64	0.58	0.02	1.12	0.04					
SEPSIS	0.30	0.34	0.01	0.84	0.03					
PROCEDURES:										
ANGIOPLASTY	0.24	0.32	0.01	0.77	0.03					
CORONARY ARTERY BYPASS GRAFT	0.27	0.42	0.01	0.67	0.02					
INITIAL PACEMAKER INSERTION	0.13	0.20	0.01	0.64	0.04					
CAROTID ENDARTERECTOMY	0.08	0.15	0.01	0.59	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.43	0.45	0.01	0.98	0.04					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.13	0.05					
PROSTATECTOMY	0.73	0.79	0.02	0.91	0.02					
CHOLECYSTECTOMY	0.56	0.50	0.02	1.11	0.04					
HYSTERECTOMY	0.16	0.18	0.01	0.87	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

NEW YORK

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	456,877	9.3	10.0	0.1	15.0	15.2	0.1	18.9	18.9	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	14,878	24.9	26.1	0.5	29.7	29.3	0.7	32.6	32.0	0.7
CONGESTIVE HEART FAILURE	25,308	14.3	15.2	0.3	23.5	23.9	0.3	30.4	30.1	0.4
PNEUMONIA/INFLUENZA	21,057	17.2	17.7	0.3	24.8	24.0	0.4	29.2	28.1	0.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	7,381	9.1	9.7	0.5	16.7	16.5	0.5	21.9	21.4	0.5
TRANSIENT CEREBRAL ISCHEMIA	7,350	2.0	2.0	0.2	4.6	4.4	0.3	7.3	7.0	0.5
STROKE	17,162	19.6	21.1	0.4	27.5	28.2	0.4	31.8	32.0	0.4
HIP FRACTURE	11,573	6.0	6.9	0.3	11.7	12.2	0.5	15.3	15.7	0.4
SEPSIS	5,720	28.0	28.6	0.8	39.3	37.1	1.0	45.4	41.9	1.8
PROCEDURES:										
ANGIOPLASTY	1,661	1.4	2.5	0.5	2.7	3.4	0.6	3.4	4.3	0.6
CORONARY ARTERY BYPASS GRAFT	4,124	4.6	5.6	0.7	7.0	8.1	0.6	8.4	9.3	0.6
INITIAL PACEMAKER INSERTION	3,604	3.2	3.7	0.4	7.0	7.0	0.8	9.9	10.0	0.8
CAROTID ENDARTERECTOMY	1,241	1.6	1.5	0.4	3.1	2.8	0.7	4.3	4.1	0.8
HIP REPLACEMENT/RECONSTRUCTION	7,589	3.1	3.4	0.3	6.7	6.4	0.5	8.7	8.6	0.3
OPEN REDUCTION OF HIP FRACTURE	6,170	5.2	6.4	0.3	10.5	11.7	0.5	14.1	15.4	0.5
PROSTATECTOMY	14,912	0.8	1.2	0.3	2.5	2.7	0.2	4.2	4.5	0.2
CHOLECYSTECTOMY	6,931	3.1	3.1	0.4	5.8	5.8	0.4	7.7	7.6	0.4
HYSTERECTOMY	3,174	1.2	0.9	0.8	2.7	2.0	1.5	4.0	3.1	1.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 2,648,269

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.60	27.39	0.03	0.97	0.00	4.80	4.75	0.01	1.01	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.87	0.83	0.01	1.04	0.01					
CONGESTIVE HEART FAILURE	1.77	1.69	0.01	1.05	0.00					
PNEUMONIA/INFLUENZA	1.20	1.21	0.01	0.99	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.50	0.48	0.00	1.03	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.39	0.36	0.00	1.07	0.01					
STROKE	0.87	0.92	0.01	0.95	0.01					
HIP FRACTURE	0.57	0.62	0.00	0.91	0.01					
SEPSIS	0.35	0.38	0.00	0.93	0.01					
PROCEDURES:										
ANGIOPLASTY	0.14	0.26	0.00	0.53	0.01					
CORONARY ARTERY BYPASS GRAFT	0.30	0.35	0.00	0.86	0.01					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.00	0.96	0.01					
CAROTID ENDARTERECTOMY	0.07	0.10	0.00	0.67	0.01					
HIP REPLACEMENT/RECONSTRUCTION	0.36	0.44	0.00	0.81	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.30	0.31	0.00	0.98	0.01					
PROSTATECTOMY	0.71	0.70	0.00	1.02	0.01					
CHOLECYSTECTOMY	0.33	0.39	0.00	0.84	0.01					
HYSTERECTOMY	0.15	0.17	0.00	0.84	0.01					

** QUANTITIES COULD NOT BE ESTIMATED

NORTH CAROLINA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	172,360	9.2	9.1	0.1	13.9	13.7	0.2	17.4	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	6,600	23.9	25.4	0.7	28.1	28.5	1.2	31.2	31.2	1.1
CONGESTIVE HEART FAILURE	8,574	14.6	13.6	0.5	22.8	21.7	0.7	29.2	27.6	0.8
PNEUMONIA/INFLUENZA	8,123	15.6	15.0	0.8	21.6	20.6	1.0	25.5	24.3	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,251	8.6	7.2	0.8	15.4	12.7	1.0	19.2	17.0	1.0
TRANSIENT CEREBRAL ISCHEMIA	2,110	1.7	1.8	0.3	3.6	4.0	0.5	5.4	6.4	0.7
STROKE	7,480	19.3	19.7	0.5	25.9	26.0	0.5	30.3	29.7	0.6
HIP FRACTURE	4,657	5.7	6.2	0.4	10.1	10.9	0.6	12.9	14.1	0.7
SEPSIS	2,325	25.1	24.7	0.9	32.9	32.2	1.1	38.2	36.8	1.4
PROCEDURES:										
ANGIOPLASTY	1,544	3.1	3.7	0.6	3.9	4.6	0.8	4.9	5.6	1.0
CORONARY ARTERY BYPASS GRAFT	2,289	4.9	5.8	0.8	6.9	8.2	0.7	8.4	9.2	0.8
INITIAL PACEMAKER INSERTION	1,231	3.0	3.3	0.7	5.8	6.3	1.1	8.4	9.1	1.2
CAROTID ENDARTERECTOMY	816	1.5	1.5	0.5	2.3	2.8	0.8	3.6	4.1	0.8
HIP REPLACEMENT/RECONSTRUCTION	3,365	3.0	3.5	0.4	5.8	6.3	0.5	7.6	8.5	0.7
OPEN REDUCTION OF HIP FRACTURE	2,105	5.7	5.7	0.5	10.2	10.4	0.7	12.9	13.8	1.0
PROSTATECTOMY	5,486	1.1	1.1	0.2	2.8	2.4	0.4	4.3	4.1	0.5
CHOLECYSTECTOMY	3,882	2.7	2.6	0.3	4.8	4.6	0.4	6.4	6.1	0.4
HYSTERECTOMY	1,704	0.5	0.6	0.3	1.1	1.4	0.5	1.7	2.2	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 940,568

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	27.44	30.75	0.06	0.89	0.00	4.59	4.66	0.02	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.08	0.90	0.01	1.20	0.01					
CONGESTIVE HEART FAILURE	1.62	1.96	0.01	0.83	0.01					
PNEUMONIA/INFLUENZA	1.26	1.37	0.01	0.92	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.43	0.62	0.01	0.69	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.31	0.44	0.01	0.70	0.01					
STROKE	1.07	1.03	0.01	1.04	0.01					
HIP FRACTURE	0.62	0.54	0.01	1.15	0.02					
SEPSIS	0.38	0.42	0.01	0.90	0.01					
PROCEDURES:										
ANGIOPLASTY	0.27	0.28	0.01	0.98	0.02					
CORONARY ARTERY BYPASS GRAFT	0.38	0.39	0.01	0.98	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.21	0.00	0.92	0.02					
CAROTID ENDARTERECTOMY	0.12	0.12	0.00	**	**					
HIP REPLACEMENT/RECONSTRUCTION	0.44	0.38	0.01	1.18	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.27	0.00	1.05	0.02					
PROSTATECTOMY	0.71	0.71	0.01	1.01	0.01					
CHOLECYSTECTOMY	0.51	0.47	0.01	1.09	0.02					
HYSTERECTOMY	0.20	0.17	0.00	1.17	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

NORTH DAKOTA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	23,179	8.4	9.0	0.2	12.6	13.6	0.3	15.5	17.1	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	794	27.7	27.8	1.7	30.5	31.0	1.9	32.6	33.9	2.0
CONGESTIVE HEART FAILURE	1,100	13.8	15.7	1.3	21.9	24.6	1.6	28.2	31.1	1.9
PNEUMONIA/INFLUENZA	1,344	13.1	15.9	1.0	17.9	22.1	1.2	21.0	26.1	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	316	7.3	7.4	1.5	13.0	13.5	2.0	17.4	18.2	2.4
TRANSIENT CEREBRAL ISCHEMIA	245	0.4	2.0	1.3	1.6	4.6	2.1	5.7	7.5	2.6
STROKE	775	20.8	20.6	1.6	26.6	27.2	1.7	30.1	31.2	1.8
HIP FRACTURE	678	5.9	6.4	1.1	10.6	11.5	2.0	13.6	15.1	2.6
SEPSIS	266	20.7	24.5	3.7	28.9	32.5	4.1	33.5	37.3	4.4
PROCEDURES:										
ANGIOPLASTY	250	2.4	3.2	1.4	3.6	4.1	1.3	4.8	5.0	1.4
CORONARY ARTERY BYPASS GRAFT	432	6.5	5.2	1.5	8.3	7.5	1.5	9.0	8.5	1.5
INITIAL PACEMAKER INSERTION	136	3.7	3.7	1.7	6.6	7.1	2.3	8.1	10.2	3.3
CAROTID ENDARTERECTOMY	120	0.8	1.5	1.6	0.8	2.9	2.5	3.3	4.2	2.9
HIP REPLACEMENT/RECONSTRUCTION	673	2.1	2.7	0.8	5.1	5.0	0.9	6.7	6.9	1.1
OPEN REDUCTION OF HIP FRACTURE	331	5.4	5.8	1.3	9.4	10.6	2.3	12.7	14.1	2.6
PROSTATECTOMY	859	0.7	0.9	0.4	1.6	2.0	0.7	3.1	3.5	1.1
CHOLECYSTECTOMY	469	1.9	2.2	0.9	3.2	4.2	1.3	3.6	5.7	1.7
HYSTERECTOMY	248	0.0	0.6	0.6	2.0	1.3	1.5	2.4	2.0	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 102,849

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.15	28.76	0.17	1.08	0.01	4.53	4.79	0.07	0.94	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	0.97	0.03	1.06	0.04					
CONGESTIVE HEART FAILURE	1.96	1.64	0.04	1.19	0.03					
PNEUMONIA/INFLUENZA	1.86	1.58	0.04	1.17	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.58	0.54	0.02	1.08	0.05					
TRANSIENT CEREBRAL ISCHEMIA	0.36	0.36	0.02	0.98	0.06					
STROKE	0.97	0.94	0.03	1.02	0.04					
HIP FRACTURE	0.69	0.67	0.03	1.00	0.04					
SEPSIS	0.35	0.33	0.02	1.01	0.06					
PROCEDURES:										
ANGIOPLASTY	0.26	0.27	0.02	1.01	0.07					
CORONARY ARTERY BYPASS GRAFT	0.48	0.38	0.02	1.24	0.08					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.01	0.98	0.09					
CAROTID ENDARTERECTOMY	0.14	0.12	0.01	1.10	0.14					
HIP REPLACEMENT/RECONSTRUCTION	0.62	0.51	0.02	1.23	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.33	0.31	0.02	1.06	0.07					
PROSTATECTOMY	0.94	0.85	0.03	1.13	0.04					
CHOLECYSTECTOMY	0.52	0.49	0.02	1.07	0.06					
HYSTERECTOMY	0.25	0.19	0.01	1.32	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

OHIO

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	323,481	8.8	9.0	0.1	13.5	13.7	0.1	16.9	17.1	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	9,803	26.6	26.5	0.5	30.9	29.4	0.9	33.5	32.2	0.8
CONGESTIVE HEART FAILURE	18,574	14.6	14.6	0.3	23.5	23.0	0.5	30.0	29.1	0.7
PNEUMONIA/INFLUENZA	15,402	16.3	16.5	0.4	22.6	22.5	0.6	26.7	26.5	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	6,385	8.5	8.7	0.4	14.8	15.0	0.6	19.4	19.7	0.8
TRANSIENT CEREBRAL ISCHEMIA	5,627	1.8	1.8	0.2	3.7	4.1	0.3	5.7	6.5	0.5
STROKE	11,210	18.8	20.4	0.5	25.7	26.8	0.5	29.4	30.6	0.6
HIP FRACTURE	7,307	7.0	6.8	0.5	11.3	12.0	0.5	14.4	15.5	0.6
SEPSIS	3,339	24.2	26.6	1.1	32.9	34.5	1.6	37.8	39.2	1.7
PROCEDURES:										
ANGIOPLASTY	2,809	2.5	2.9	0.3	3.5	3.8	0.4	4.1	4.7	0.5
CORONARY ARTERY BYPASS GRAFT	4,089	6.2	5.5	0.6	8.5	7.7	0.6	9.7	8.7	0.7
INITIAL PACEMAKER INSERTION	2,475	3.6	3.4	0.8	6.9	6.4	1.1	9.2	9.2	0.8
CAROTID ENDARTERECTOMY	1,981	1.6	1.5	0.3	2.9	2.8	0.4	4.1	4.2	0.4
HIP REPLACEMENT/RECONSTRUCTION	5,609	3.5	3.2	0.3	5.6	6.0	0.4	7.6	8.0	0.5
OPEN REDUCTION OF HIP FRACTURE	3,252	6.3	6.3	0.4	10.7	11.3	0.7	13.7	14.9	0.9
PROSTATECTOMY	9,666	1.1	1.0	0.1	2.5	2.3	0.2	4.0	3.9	0.2
CHOLECYSTECTOMY	6,064	2.6	2.7	0.3	4.9	5.0	0.5	6.5	6.7	0.6
HYSTERECTOMY	2,483	0.3	0.7	0.2	1.1	1.5	0.6	1.9	2.4	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,627,878

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.19	29.15	0.04	1.07	0.00	4.77	4.65	0.02	1.02	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.95	0.91	0.01	1.04	0.01					
CONGESTIVE HEART FAILURE	2.15	1.80	0.01	1.19	0.01					
PNEUMONIA/INFLUENZA	1.45	1.36	0.01	1.07	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.73	0.59	0.01	1.24	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.48	0.41	0.00	1.19	0.01					
STROKE	0.97	0.95	0.01	1.03	0.01					
HIP FRACTURE	0.60	0.60	0.01	**	**					
SEPSIS	0.35	0.38	0.00	0.91	0.01					
PROCEDURES:										
ANGIOPLASTY	0.30	0.29	0.00	1.01	0.01					
CORONARY ARTERY BYPASS GRAFT	0.42	0.40	0.00	1.06	0.01					
INITIAL PACEMAKER INSERTION	0.23	0.20	0.00	1.11	0.02					
CAROTID ENDARTERECTOMY	0.17	0.13	0.00	1.34	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.45	0.44	0.00	1.02	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.00	0.90	0.01					
PROSTATECTOMY	0.77	0.73	0.01	1.05	0.01					
CHOLECYSTECTOMY	0.48	0.47	0.00	1.03	0.01					
HYSTERECTOMY	0.18	0.18	0.00	1.02	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

OKLAHOMA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	96,608	9.5	8.7	0.1	14.2	13.3	0.2	17.5	16.6	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,010	28.2	25.8	1.2	32.7	29.0	1.4	35.3	31.9	1.3
CONGESTIVE HEART FAILURE	4,469	15.4	14.3	0.6	22.9	22.7	0.6	29.0	28.9	0.8
PNEUMONIA/INFLUENZA	5,354	14.5	14.1	0.7	20.5	19.7	0.9	24.7	23.3	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,841	8.3	7.9	0.8	13.5	13.9	0.9	17.9	18.4	1.1
TRANSIENT CEREBRAL ISCHEMIA	1,359	2.0	1.6	0.5	4.6	3.7	0.9	7.7	6.1	1.0
STROKE	3,529	21.6	19.7	1.0	28.1	25.8	1.2	31.9	29.7	1.2
HIP FRACTURE	2,566	6.3	6.1	0.6	11.3	10.9	0.7	14.3	14.3	0.7
SEPSIS	1,087	29.2	25.0	1.8	37.6	33.3	2.0	42.4	38.2	2.1
PROCEDURES:										
ANGIOPLASTY	964	3.3	3.1	0.6	4.4	4.0	0.7	5.2	4.9	0.7
CORONARY ARTERY BYPASS GRAFT	1,117	7.5	5.4	1.4	10.0	7.6	1.5	11.0	8.6	1.6
INITIAL PACEMAKER INSERTION	694	2.9	3.1	1.0	7.2	6.0	1.4	9.7	8.8	1.3
CAROTID ENDARTERECTOMY	285	0.4	1.6	1.0	1.4	3.0	1.5	2.1	4.4	1.8
HIP REPLACEMENT/RECONSTRUCTION	1,919	3.0	3.2	0.7	6.6	6.0	0.7	8.2	8.1	0.7
OPEN REDUCTION OF HIP FRACTURE	1,197	5.5	5.7	0.8	9.6	10.5	1.2	13.2	13.9	1.3
PROSTATECTOMY	3,052	1.1	0.9	0.2	2.8	2.2	0.5	4.1	3.7	0.4
CHOLECYSTECTOMY	2,183	3.7	2.5	0.6	5.4	4.5	0.6	7.0	6.1	0.6
HYSTERECTOMY	775	1.2	0.7	0.8	1.7	1.6	0.9	2.3	2.5	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 476,416

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.44	30.83	0.08	1.08	0.00	4.96	4.79	0.03	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.03	1.01	0.01	1.01	0.01					
CONGESTIVE HEART FAILURE	1.80	1.87	0.02	0.96	0.01					
PNEUMONIA/INFLUENZA	1.79	1.65	0.02	1.09	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.72	0.65	0.01	1.09	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.43	0.01	0.96	0.02					
STROKE	1.10	1.00	0.01	1.10	0.02					
HIP FRACTURE	0.76	0.66	0.01	1.16	0.02					
SEPSIS	0.39	0.37	0.01	1.04	0.03					
PROCEDURES:										
ANGIOPLASTY	0.37	0.28	0.01	1.26	0.04					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.01	1.02	0.02					
INITIAL PACEMAKER INSERTION	0.24	0.21	0.01	1.14	0.04					
CAROTID ENDARTERECTOMY	0.11	0.13	0.01	0.76	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.55	0.48	0.01	1.16	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.30	0.01	1.14	0.03					
PROSTATECTOMY	0.90	0.78	0.01	1.14	0.02					
CHOLECYSTECTOMY	0.64	0.52	0.01	1.23	0.03					
HYSTERECTOMY	0.20	0.19	0.01	1.07	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

OREGON

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	70,929	9.6	8.6	0.1	14.0	13.0	0.3	17.4	16.2	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,619	24.1	25.0	0.9	27.5	27.9	1.4	29.9	30.6	1.3
CONGESTIVE HEART FAILURE	3,180	16.7	14.5	1.0	26.4	22.9	1.1	33.1	29.1	1.2
PNEUMONIA/INFLUENZA	3,342	14.1	14.3	0.6	19.7	19.8	0.7	24.2	23.5	0.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	843	10.0	7.9	1.5	16.4	13.8	1.8	21.0	18.3	1.9
TRANSIENT CEREBRAL ISCHEMIA	633	3.8	1.8	1.0	6.0	4.1	1.2	9.3	6.6	1.5
STROKE	2,759	22.3	19.6	1.0	28.1	25.9	1.1	32.2	29.7	1.3
HIP FRACTURE	2,251	7.8	6.4	0.8	13.1	11.4	1.0	16.3	15.0	1.2
SEPSIS	810	21.1	22.6	1.9	29.9	29.9	2.7	34.2	34.5	2.7
PROCEDURES:										
ANGIOPLASTY	755	3.4	3.4	0.7	4.9	4.3	1.0	6.1	5.3	1.3
CORONARY ARTERY BYPASS GRAFT	1,054	6.0	5.3	0.9	6.9	7.4	1.0	7.8	8.5	1.1
INITIAL PACEMAKER INSERTION	462	2.4	3.0	0.9	4.5	5.8	1.5	7.6	8.4	1.6
CAROTID ENDARTERECTOMY	662	1.5	1.4	0.5	2.1	2.5	0.9	3.9	3.8	0.9
HIP REPLACEMENT/RECONSTRUCTION	1,968	3.2	2.7	0.6	5.9	5.0	0.8	7.6	6.9	0.9
OPEN REDUCTION OF HIP FRACTURE	1,037	8.1	6.0	1.1	13.3	10.9	1.4	16.8	14.5	1.6
PROSTATECTOMY	3,065	0.6	0.7	0.2	1.4	1.7	0.4	2.6	3.0	0.5
CHOLECYSTECTOMY	1,731	3.1	2.4	0.7	5.0	4.4	0.7	6.6	5.9	0.9
HYSTERECTOMY	752	1.1	0.7	0.8	1.3	1.6	0.8	1.7	2.6	0.8

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 445,347

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	22.50	27.49	0.08	0.82	0.00	4.46	4.54	0.03	0.98	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.92	0.01	0.91	0.01					
CONGESTIVE HEART FAILURE	1.21	1.62	0.02	0.74	0.01					
PNEUMONIA/INFLUENZA	1.06	1.35	0.02	0.78	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.33	0.55	0.01	0.59	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.19	0.36	0.01	0.53	0.01					
STROKE	0.81	0.89	0.01	0.91	0.01					
HIP FRACTURE	0.61	0.61	0.01	**	**					
SEPSIS	0.27	0.34	0.01	0.79	0.02					
PROCEDURES:										
ANGIOPLASTY	0.26	0.31	0.01	0.81	0.02					
CORONARY ARTERY BYPASS GRAFT	0.34	0.41	0.01	0.83	0.02					
INITIAL PACEMAKER INSERTION	0.14	0.20	0.01	0.70	0.02					
CAROTID ENDARTERECTOMY	0.19	0.14	0.01	1.34	0.06					
HIP REPLACEMENT/RECONSTRUCTION	0.52	0.48	0.01	1.09	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.28	0.29	0.01	0.94	0.03					
PROSTATECTOMY	0.80	0.81	0.01	0.98	0.02					
CHOLECYSTECTOMY	0.46	0.47	0.01	0.98	0.02					
HYSTERECTOMY	0.18	0.19	0.01	1.01	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

PENNSYLVANIA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	416,412	8.4	9.1	0.1	13.3	13.8	0.1	16.8	17.3	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	13,158	24.1	25.7	0.5	28.5	28.9	0.8	31.2	31.6	0.7
CONGESTIVE HEART FAILURE	22,863	13.5	14.8	0.4	22.6	23.4	0.3	29.0	29.6	0.3
PNEUMONIA/INFLUENZA	16,094	14.8	16.2	0.6	21.5	22.2	0.4	25.9	26.1	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	7,373	7.4	8.7	0.4	14.1	15.1	0.8	18.5	19.8	0.6
TRANSIENT CEREBRAL ISCHEMIA	7,991	1.9	1.8	0.2	3.9	4.1	0.3	6.0	6.6	0.6
STROKE	15,652	17.8	19.8	0.6	25.0	26.3	0.5	28.7	30.1	0.5
HIP FRACTURE	8,999	6.4	6.8	0.4	11.7	11.9	0.6	15.1	15.5	0.7
SEPSIS	5,258	24.8	26.5	0.8	33.9	34.5	1.3	39.2	39.3	1.8
PROCEDURES:										
ANGIOPLASTY	3,071	2.5	3.0	0.4	3.5	4.0	0.4	4.8	5.0	0.4
CORONARY ARTERY BYPASS GRAFT	4,880	5.5	6.1	0.6	8.2	9.0	0.7	9.4	10.2	0.8
INITIAL PACEMAKER INSERTION	3,251	4.1	3.6	0.4	7.7	6.8	0.7	10.3	9.7	0.6
CAROTID ENDARTERECTOMY	1,520	1.8	1.6	0.4	2.8	3.0	0.5	4.1	4.3	0.6
HIP REPLACEMENT/RECONSTRUCTION	6,732	3.1	3.2	0.2	6.3	5.9	0.4	8.2	8.0	0.4
OPEN REDUCTION OF HIP FRACTURE	4,783	5.9	6.2	0.5	10.8	11.3	0.9	14.2	14.8	1.1
PROSTATECTOMY	12,106	0.9	1.1	0.1	2.3	2.6	0.2	3.6	4.4	0.3
CHOLECYSTECTOMY	7,348	2.8	3.0	0.4	5.1	5.4	0.4	6.7	7.1	0.5
HYSTERECTOMY	3,022	0.6	0.8	0.4	1.7	1.7	0.9	2.5	2.6	1.2

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 2,060,029

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.49	28.47	0.04	1.11	0.00	4.75	4.59	0.01	1.03	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.02	0.91	0.01	1.12	0.01					
CONGESTIVE HEART FAILURE	2.10	1.75	0.01	1.20	0.01					
PNEUMONIA/INFLUENZA	1.19	1.28	0.01	0.93	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.66	0.55	0.00	1.20	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.55	0.40	0.00	1.37	0.02					
STROKE	1.06	0.94	0.01	1.12	0.01					
HIP FRACTURE	0.58	0.60	0.00	0.96	0.01					
SEPSIS	0.43	0.37	0.00	1.15	0.01					
PROCEDURES:										
ANGIOPLASTY	0.27	0.29	0.00	0.95	0.01					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.00	1.02	0.01					
INITIAL PACEMAKER INSERTION	0.23	0.21	0.00	1.11	0.02					
CAROTID ENDARTERECTOMY	0.11	0.13	0.00	0.86	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.45	0.00	0.91	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.29	0.00	1.07	0.01					
PROSTATECTOMY	0.75	0.75	0.01	**	**					
CHOLECYSTECTOMY	0.45	0.46	0.00	0.99	0.01					
HYSTERECTOMY	0.17	0.18	0.00	0.94	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

PUERTO RICO

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	58,799	10.4	8.9	0.4	14.7	13.3	0.3	17.8	16.6	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,937	28.9	27.0	1.3	33.3	29.8	1.8	35.9	32.5	1.7
CONGESTIVE HEART FAILURE	3,291	14.5	13.8	0.9	22.7	22.1	0.8	28.8	28.3	0.9
PNEUMONIA/INFLUENZA	2,906	23.4	16.7	1.0	29.2	22.4	1.2	33.2	26.1	1.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	543	6.4	8.1	1.3	11.2	14.4	2.0	14.9	19.2	2.6
TRANSIENT CEREBRAL ISCHEMIA	790	3.4	1.7	0.8	6.1	3.9	1.0	9.0	6.4	1.3
STROKE	2,296	27.2	20.3	1.8	32.1	26.7	1.3	35.0	30.4	1.1
HIP FRACTURE	871	9.4	7.0	1.2	15.8	12.1	1.4	20.6	15.5	1.7
SEPSIS	763	43.0	31.8	2.6	53.2	38.9	3.8	58.6	43.5	4.5
PROCEDURES:										
ANGIOPLASTY	23	4.3	1.3	*	4.3	2.1	*	4.3	3.0	*
CORONARY ARTERY BYPASS GRAFT	229	6.6	4.1	1.8	7.4	6.0	1.7	7.9	7.0	1.7
INITIAL PACEMAKER INSERTION	333	1.8	3.2	1.5	4.8	6.1	2.3	7.2	8.7	2.5
CAROTID ENDARTERECTOMY	22	0.0	1.5	*	0.0	2.8	*	0.0	4.2	*
HIP REPLACEMENT/RECONSTRUCTION	357	5.0	4.3	1.6	9.0	7.6	2.5	12.0	10.0	3.2
OPEN REDUCTION OF HIP FRACTURE	451	8.2	6.8	1.4	15.3	12.1	1.8	20.4	15.8	2.2
PROSTATECTOMY	2,739	0.9	0.8	0.2	1.9	1.8	0.3	2.8	3.1	0.4
CHOLECYSTECTOMY	1,450	2.7	2.2	0.5	3.8	4.1	0.6	5.3	5.6	0.7
HYSTERECTOMY	716	0.8	0.2	0.6	1.1	0.5	0.6	1.5	0.9	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

RHODE ISLAND

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	29,560	8.7	10.1	0.2	13.8	15.1	0.3	17.4	18.7	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,208	23.4	26.6	1.5	28.5	29.9	1.6	31.5	32.7	1.4
CONGESTIVE HEART FAILURE	1,713	12.6	15.6	1.3	21.0	24.6	1.5	27.8	31.0	1.5
PNEUMONIA/INFLUENZA	1,184	14.5	17.5	1.5	20.3	23.8	1.9	24.1	27.8	1.9
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	491	7.3	9.0	1.7	12.0	15.2	2.5	16.7	19.8	3.0
TRANSIENT CEREBRAL ISCHEMIA	460	1.5	1.8	0.7	4.1	4.1	0.9	5.4	6.6	1.5
STROKE	1,124	18.5	20.1	1.8	26.1	27.1	1.5	30.4	31.0	1.6
HIP FRACTURE	738	5.3	7.2	1.4	11.2	12.8	1.6	14.2	16.7	1.9
SEPSIS	522	25.1	27.8	3.3	32.8	35.4	2.9	38.5	40.0	3.1
PROCEDURES:										
ANGIOPLASTY	176	1.7	2.4	2.0	2.3	3.4	2.3	2.3	4.3	2.7
CORONARY ARTERY BYPASS GRAFT	255	4.7	5.4	2.7	5.9	8.0	3.4	8.6	9.2	3.6
INITIAL PACEMAKER INSERTION	184	3.8	3.6	2.1	7.6	6.7	2.4	10.9	9.7	2.4
CAROTID ENDARTERECTOMY	85	1.2	1.3	1.3	1.2	2.4	2.0	1.2	3.5	2.8
HIP REPLACEMENT/RECONSTRUCTION	471	1.9	3.7	1.2	4.0	6.9	1.6	5.9	9.2	1.8
OPEN REDUCTION OF HIP FRACTURE	415	4.8	6.4	1.5	10.6	11.7	1.7	13.5	15.5	2.5
PROSTATECTOMY	841	0.6	1.2	0.7	2.3	2.7	0.6	4.0	4.4	0.8
CHOLECYSTECTOMY	558	2.5	3.3	1.0	5.0	5.9	1.5	6.1	7.7	1.6
HYSTERECTOMY	292	0.7	0.6	0.6	1.4	1.4	1.1	1.4	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 165,557

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	26.97	27.02	0.13	1.00	0.00	4.72	4.65	0.05	1.01	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.13	0.87	0.02	1.30	0.03					
CONGESTIVE HEART FAILURE	1.92	1.64	0.03	1.17	0.02					
PNEUMONIA/INFLUENZA	1.00	1.19	0.03	0.84	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.53	0.49	0.02	1.07	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.38	0.37	0.01	1.05	0.04					
STROKE	0.87	0.88	0.02	1.00	0.03					
HIP FRACTURE	0.55	0.64	0.02	0.86	0.03					
SEPSIS	0.48	0.35	0.01	1.35	0.06					
PROCEDURES:										
ANGIOPLASTY	0.18	0.28	0.01	0.63	0.03					
CORONARY ARTERY BYPASS GRAFT	0.30	0.38	0.01	0.78	0.03					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.81	0.04					
CAROTID ENDARTERECTOMY	0.07	0.12	0.01	0.62	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.37	0.46	0.02	0.79	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.31	0.01	**	**					
PROSTATECTOMY	0.65	0.70	0.02	0.93	0.03					
CHOLECYSTECTOMY	0.41	0.42	0.02	0.97	0.04					
HYSTERECTOMY	0.19	0.18	0.01	1.08	0.06					

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH CAROLINA
MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	74,214	9.1	8.5	0.1	14.0	13.0	0.2	17.6	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,345	24.3	24.5	0.9	28.2	27.4	1.6	30.5	30.1	1.2
CONGESTIVE HEART FAILURE	3,954	14.3	13.0	0.7	21.9	20.9	0.8	28.4	26.7	1.0
PNEUMONIA/INFLUENZA	3,224	14.3	13.6	0.8	20.7	18.7	1.2	24.4	22.3	1.3
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,093	8.8	6.7	1.1	14.2	11.9	1.4	18.5	16.0	1.7
TRANSIENT CEREBRAL ISCHEMIA	891	1.1	1.6	0.5	3.1	3.7	0.7	5.1	6.0	1.3
STROKE	3,109	20.3	18.0	0.9	26.6	23.9	1.0	30.7	27.4	1.2
HIP FRACTURE	1,722	6.6	5.9	0.8	10.8	10.6	0.9	13.6	13.8	0.9
SEPSIS	932	29.8	24.6	2.2	38.9	32.1	3.0	43.8	36.8	3.3
PROCEDURES:										
ANGIOPLASTY	619	2.4	3.2	0.7	3.1	4.1	0.9	4.8	4.9	1.1
CORONARY ARTERY BYPASS GRAFT	836	5.4	5.0	0.8	7.9	7.0	1.1	9.2	7.9	1.3
INITIAL PACEMAKER INSERTION	648	3.7	3.2	0.9	6.0	6.1	1.0	8.3	8.8	1.2
CAROTID ENDARTERECTOMY	229	1.3	1.3	0.8	1.3	2.4	1.2	1.7	3.6	1.6
HIP REPLACEMENT/RECONSTRUCTION	1,191	3.6	3.3	0.6	6.0	6.1	0.7	7.9	8.2	0.9
OPEN REDUCTION OF HIP FRACTURE	827	5.2	5.4	0.9	10.2	9.9	1.1	12.7	13.2	1.2
PROSTATECTOMY	2,296	1.3	0.9	0.2	3.0	2.2	0.4	4.8	3.8	0.5
CHOLECYSTECTOMY	1,509	3.4	2.4	0.7	5.6	4.4	0.7	7.4	5.8	0.9
HYSTERECTOMY	627	0.2	0.6	0.3	0.8	1.3	0.6	1.6	2.0	0.9

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 466,704

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	24.98	31.32	0.08	0.80	0.00	4.62	4.64	0.03	1.00	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.76	0.88	0.01	0.87	0.01					
CONGESTIVE HEART FAILURE	1.50	2.02	0.02	0.74	0.01					
PNEUMONIA/INFLUENZA	1.05	1.36	0.02	0.77	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.41	0.64	0.01	0.65	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.29	0.45	0.01	0.63	0.01					
STROKE	0.92	1.06	0.01	0.87	0.01					
HIP FRACTURE	0.48	0.51	0.01	0.97	0.02					
SEPSIS	0.33	0.45	0.01	0.75	0.02					
PROCEDURES:										
ANGIOPLASTY	0.27	0.27	0.01	0.97	0.03					
CORONARY ARTERY BYPASS GRAFT	0.33	0.38	0.01	0.88	0.02					
INITIAL PACEMAKER INSERTION	0.22	0.20	0.01	1.03	0.04					
CAROTID ENDARTERECTOMY	0.08	0.12	0.00	0.64	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.34	0.35	0.01	1.00	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.23	0.25	0.01	0.94	0.03					
PROSTATECTOMY	0.63	0.70	0.01	0.91	0.02					
CHOLECYSTECTOMY	0.42	0.46	0.01	0.94	0.02					
HYSTERECTOMY	0.17	0.17	0.01	1.03	0.04					

** QUANTITIES COULD NOT BE ESTIMATED

SOUTH DAKOTA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	24,041	7.6	8.4	0.2	11.4	12.9	0.3	14.3	16.3	0.3
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	945	25.1	27.5	2.0	29.4	30.6	2.2	31.1	33.4	2.3
CONGESTIVE HEART FAILURE	1,098	15.4	15.2	1.1	22.8	24.0	1.5	28.7	30.4	1.8
PNEUMONIA/INFLUENZA	1,645	11.7	15.3	1.2	17.0	21.1	1.5	20.1	25.0	1.6
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	342	6.1	7.8	1.6	12.6	13.9	2.2	16.4	18.6	2.7
TRANSIENT CEREBRAL ISCHEMIA	299	0.3	1.8	1.2	2.0	4.1	1.9	3.7	6.7	2.5
STROKE	743	23.4	20.0	1.7	28.8	26.7	2.4	31.9	30.7	2.7
HIP FRACTURE	579	7.6	6.3	1.5	11.4	11.3	1.6	14.5	14.8	2.3
SEPSIS	185	26.5	24.1	4.6	33.5	32.0	3.8	35.7	37.0	4.3
PROCEDURES:										
ANGIOPLASTY	294	2.7	4.5	2.0	4.1	5.6	1.6	5.4	6.5	1.6
CORONARY ARTERY BYPASS GRAFT	375	3.5	6.7	1.9	5.6	9.2	2.1	6.1	10.2	2.1
INITIAL PACEMAKER INSERTION	190	2.6	3.2	1.4	4.7	6.4	2.4	6.3	9.2	2.8
CAROTID ENDARTERECTOMY	111	2.7	1.7	1.5	3.6	3.1	1.7	4.5	4.6	2.6
HIP REPLACEMENT/RECONSTRUCTION	590	3.7	2.7	1.1	4.6	4.9	0.9	6.3	6.7	1.3
OPEN REDUCTION OF HIP FRACTURE	230	6.1	6.0	1.8	12.2	10.8	2.8	15.2	14.4	2.8
PROSTATECTOMY	993	0.5	1.0	0.4	1.9	2.4	0.7	3.3	4.2	1.0
CHOLECYSTECTOMY	498	3.6	3.0	1.2	5.2	5.5	1.5	6.2	7.4	1.8
HYSTERECTOMY	252	0.4	0.7	0.5	1.2	1.5	0.9	1.2	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 115,515

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.75	30.04	0.16	1.06	0.01	4.48	4.89	0.06	0.91	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.19	1.01	0.03	1.18	0.04					
CONGESTIVE HEART FAILURE	1.71	1.75	0.04	0.96	0.02					
PNEUMONIA/INFLUENZA	2.18	1.72	0.04	1.26	0.03					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.54	0.60	0.02	0.92	0.04					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.39	0.02	0.97	0.05					
STROKE	0.88	0.98	0.03	0.91	0.03					
HIP FRACTURE	0.65	0.70	0.02	0.89	0.03					
SEPSIS	0.28	0.34	0.02	0.78	0.04					
PROCEDURES:										
ANGIOPLASTY	0.33	0.28	0.02	1.17	0.08					
CORONARY ARTERY BYPASS GRAFT	0.45	0.38	0.02	1.19	0.07					
INITIAL PACEMAKER INSERTION	0.21	0.21	0.01	1.06	0.09					
CAROTID ENDARTERECTOMY	0.13	0.12	0.01	1.15	0.13					
HIP REPLACEMENT/RECONSTRUCTION	0.61	0.52	0.02	1.14	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.32	0.02	0.80	0.05					
PROSTATECTOMY	1.08	0.83	0.03	1.28	0.04					
CHOLECYSTECTOMY	0.59	0.52	0.02	1.16	0.05					
HYSTERECTOMY	0.26	0.19	0.01	1.31	0.11					

** QUANTITIES COULD NOT BE ESTIMATED

TENNESSEE

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	165,028	8.6	8.8	0.1	13.3	13.4	0.2	16.5	16.8	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,817	26.3	26.3	0.7	29.9	29.3	0.9	32.7	32.0	1.1
CONGESTIVE HEART FAILURE	7,916	14.1	13.9	0.4	22.7	22.2	0.5	28.5	28.2	0.6
PNEUMONIA/INFLUENZA	8,495	14.0	15.1	0.5	19.8	20.8	0.8	23.0	24.5	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	3,426	5.8	6.9	0.5	11.0	12.4	0.8	14.9	16.7	0.9
TRANSIENT CEREBRAL ISCHEMIA	2,795	1.7	1.7	0.2	3.6	3.8	0.4	6.1	6.2	0.5
STROKE	5,937	18.5	19.5	1.0	25.3	25.7	1.1	29.0	29.4	1.0
HIP FRACTURE	3,672	5.7	6.3	0.5	10.4	11.1	0.9	13.3	14.4	0.9
SEPSIS	2,093	28.0	25.8	1.9	35.9	33.8	1.9	40.8	38.5	2.0
PROCEDURES:										
ANGIOPLASTY	1,282	4.1	3.6	0.7	5.1	4.6	0.9	6.7	5.5	1.1
CORONARY ARTERY BYPASS GRAFT	2,528	5.7	5.9	0.6	8.4	8.3	0.6	9.9	9.3	0.7
INITIAL PACEMAKER INSERTION	982	2.7	3.3	0.8	6.1	6.3	1.1	9.4	9.0	1.4
CAROTID ENDARTERECTOMY	798	1.6	1.6	0.5	2.9	2.9	0.6	4.4	4.3	0.8
HIP REPLACEMENT/RECONSTRUCTION	2,471	3.4	3.6	0.4	6.4	6.6	0.9	8.3	8.8	1.0
OPEN REDUCTION OF HIP FRACTURE	1,743	5.3	5.6	0.6	9.3	10.3	1.0	12.6	13.6	1.3
PROSTATECTOMY	4,395	1.1	1.0	0.2	2.4	2.3	0.3	4.1	3.8	0.4
CHOLECYSTECTOMY	3,198	3.2	2.4	0.6	5.3	4.4	0.7	6.8	5.9	0.7
HYSTERECTOMY	1,204	0.7	0.6	0.5	1.8	1.3	1.2	2.6	2.1	1.4

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 730,295

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.02	30.85	0.06	1.07	0.00	4.87	4.68	0.02	1.04	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.94	0.95	0.01	0.99	0.01					
CONGESTIVE HEART FAILURE	1.95	1.91	0.02	1.02	0.01					
PNEUMONIA/INFLUENZA	1.74	1.52	0.01	1.14	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.83	0.66	0.01	1.24	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.51	0.44	0.01	1.16	0.02					
STROKE	1.09	1.01	0.01	1.09	0.01					
HIP FRACTURE	0.64	0.59	0.01	1.09	0.02					
SEPSIS	0.46	0.39	0.01	1.19	0.02					
PROCEDURES:										
ANGIOPLASTY	0.24	0.28	0.01	0.86	0.02					
CORONARY ARTERY BYPASS GRAFT	0.43	0.39	0.01	1.13	0.02					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.00	0.91	0.03					
CAROTID ENDARTERECTOMY	0.13	0.13	0.00	1.03	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.42	0.01	0.99	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.01	1.10	0.03					
PROSTATECTOMY	0.69	0.72	0.01	0.97	0.01					
CHOLECYSTECTOMY	0.53	0.50	0.01	1.05	0.02					
HYSTERECTOMY	0.18	0.18	0.00	1.02	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

TEXAS

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	375,834	9.5	8.8	0.1	14.3	13.4	0.2	17.6	16.9	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	11,063	27.1	24.3	0.7	31.0	27.4	0.8	33.4	30.0	0.8
CONGESTIVE HEART FAILURE	18,750	14.8	13.8	0.4	22.9	22.0	0.3	28.9	28.0	0.4
PNEUMONIA/INFLUENZA	21,460	15.6	14.5	0.4	21.3	20.0	0.4	24.9	23.7	0.5
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	6,212	8.1	7.9	0.4	14.0	13.8	0.5	18.0	18.3	0.6
TRANSIENT CEREBRAL ISCHEMIA	4,661	1.5	1.6	0.2	3.7	3.7	0.3	6.5	6.0	0.5
STROKE	13,290	19.9	19.1	0.5	26.5	25.3	0.5	30.8	29.1	0.7
HIP FRACTURE	10,156	6.9	6.1	0.3	12.1	10.9	0.5	15.6	14.2	0.6
SEPSIS	5,323	28.3	25.5	0.6	37.4	33.5	1.3	42.3	38.3	1.5
PROCEDURES:										
ANGIOPLASTY	3,801	3.3	2.8	0.5	4.3	3.6	0.6	5.3	4.5	0.7
CORONARY ARTERY BYPASS GRAFT	5,316	7.3	5.3	0.7	9.5	7.4	0.6	10.6	8.4	0.7
INITIAL PACEMAKER INSERTION	2,841	3.4	3.1	0.5	6.5	6.0	0.7	9.0	8.6	0.6
CAROTID ENDARTERECTOMY	1,971	1.4	1.5	0.3	2.9	2.8	0.4	4.3	4.2	0.6
HIP REPLACEMENT/RECONSTRUCTION	7,084	4.4	3.5	0.4	7.4	6.5	0.4	9.9	8.7	0.5
OPEN REDUCTION OF HIP FRACTURE	5,190	5.9	5.6	0.7	11.3	10.3	0.8	14.5	13.6	0.8
PROSTATECTOMY	13,122	1.0	0.9	0.1	2.3	2.1	0.2	3.7	3.6	0.2
CHOLECYSTECTOMY	8,671	2.9	2.6	0.3	5.2	4.8	0.4	6.5	6.4	0.3
HYSTERECTOMY	3,219	0.7	0.6	0.5	1.5	1.4	0.9	2.2	2.3	1.1

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 1,927,499

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	29.71	30.07	0.04	0.99	0.00	4.76	4.68	0.02	1.02	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.95	0.01	0.88	0.01					
CONGESTIVE HEART FAILURE	1.75	1.85	0.01	0.95	0.00					
PNEUMONIA/INFLUENZA	1.64	1.48	0.01	1.11	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.62	0.01	0.91	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.34	0.42	0.00	0.81	0.01					
STROKE	0.98	1.00	0.01	0.98	0.01					
HIP FRACTURE	0.68	0.60	0.01	1.13	0.01					
SEPSIS	0.46	0.39	0.00	1.19	0.01					
PROCEDURES:										
ANGIOPLASTY	0.29	0.29	0.00	0.99	0.01					
CORONARY ARTERY BYPASS GRAFT	0.40	0.40	0.00	0.99	0.01					
INITIAL PACEMAKER INSERTION	0.21	0.21	0.00	**	**					
CAROTID ENDARTERECTOMY	0.14	0.13	0.00	1.00	0.02					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.44	0.00	1.05	0.01					
OPEN REDUCTION OF HIP FRACTURE	0.35	0.29	0.00	1.20	0.02					
PROSTATECTOMY	0.84	0.77	0.01	1.08	0.01					
CHOLECYSTECTOMY	0.57	0.49	0.00	1.16	0.01					
HYSTERECTOMY	0.19	0.18	0.00	1.05	0.02					

** QUANTITIES COULD NOT BE ESTIMATED

UTAH

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	27,546	8.6	7.4	0.2	12.3	11.1	0.4	15.4	13.9	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1,054	20.1	22.5	1.5	22.5	25.4	1.7	25.0	28.0	1.8
CONGESTIVE HEART FAILURE	1,002	15.4	13.3	1.5	22.1	21.2	1.5	29.6	27.2	1.9
PNEUMONIA/INFLUENZA	1,434	12.3	13.4	1.5	18.1	18.5	1.4	22.2	21.9	1.4
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	285	9.8	7.5	1.8	13.7	13.2	2.3	21.1	17.6	2.7
TRANSIENT CEREBRAL ISCHEMIA	195	4.6	2.1	1.7	8.7	4.5	2.8	11.8	7.1	3.0
STROKE	930	24.8	19.2	1.9	30.0	25.0	1.9	33.8	28.7	2.0
HIP FRACTURE	815	6.4	5.6	1.0	13.9	10.0	1.6	18.2	13.2	1.7
SEPSIS	305	20.7	20.3	2.5	22.6	26.7	3.0	28.5	30.9	3.3
PROCEDURES:										
ANGIOPLASTY	352	2.6	3.0	1.0	2.8	3.9	1.3	3.1	4.8	1.6
CORONARY ARTERY BYPASS GRAFT	586	3.6	5.1	1.3	5.3	7.2	1.8	6.0	8.1	1.9
INITIAL PACEMAKER INSERTION	226	2.7	3.0	1.2	4.4	5.5	2.2	6.6	7.8	3.1
CAROTID ENDARTERECTOMY	127	6.3	1.5	2.3	7.9	2.8	2.5	7.9	4.2	2.3
HIP REPLACEMENT/RECONSTRUCTION	978	1.7	2.1	0.6	4.5	3.9	0.8	5.7	5.4	1.3
OPEN REDUCTION OF HIP FRACTURE	408	7.6	5.3	1.3	15.4	9.5	2.4	19.9	12.8	2.7
PROSTATECTOMY	1,207	0.7	0.7	0.4	1.9	1.7	0.6	3.5	2.9	0.7
CHOLECYSTECTOMY	923	4.1	2.2	0.9	6.2	4.0	1.0	7.2	5.4	1.0
HYSTERECTOMY	401	0.2	0.4	0.3	0.5	1.0	0.5	1.0	1.6	0.7

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 167,856

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	21.79	26.74	0.13	0.82	0.00	4.11	4.42	0.05	0.93	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.84	0.89	0.02	0.95	0.02					
CONGESTIVE HEART FAILURE	0.90	1.55	0.03	0.58	0.01					
PNEUMONIA/INFLUENZA	1.13	1.27	0.03	0.88	0.02					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.27	0.52	0.02	0.51	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.16	0.34	0.01	0.44	0.02					
STROKE	0.68	0.86	0.02	0.79	0.02					
HIP FRACTURE	0.58	0.58	0.02	**	**					
SEPSIS	0.27	0.33	0.01	0.78	0.03					
PROCEDURES:										
ANGIOPLASTY	0.30	0.30	0.01	0.98	0.05					
CORONARY ARTERY BYPASS GRAFT	0.44	0.41	0.02	1.10	0.04					
INITIAL PACEMAKER INSERTION	0.16	0.20	0.01	0.79	0.05					
CAROTID ENDARTERECTOMY	0.09	0.13	0.01	0.69	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.64	0.46	0.02	1.41	0.05					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.28	0.01	1.01	0.05					
PROSTATECTOMY	0.83	0.79	0.02	1.04	0.03					
CHOLECYSTECTOMY	0.64	0.46	0.02	1.39	0.05					
HYSTERECTOMY	0.25	0.18	0.01	1.37	0.09					

** QUANTITIES COULD NOT BE ESTIMATED

VERMONT

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	13,072	8.9	8.9	0.3	13.6	13.5	0.4	17.2	16.9	0.4
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	500	19.6	25.9	3.0	23.0	28.9	3.2	26.6	31.7	3.3
CONGESTIVE HEART FAILURE	665	14.0	14.0	1.5	22.4	22.1	2.1	27.2	28.2	2.0
PNEUMONIA/INFLUENZA	798	13.0	15.1	2.2	19.4	21.0	2.0	25.1	24.9	2.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	254	5.9	7.9	2.5	12.6	13.9	2.4	18.5	18.5	2.6
TRANSIENT CEREBRAL ISCHEMIA	147	2.7	1.9	1.4	5.4	4.3	2.0	7.5	7.1	2.9
STROKE	467	19.5	19.6	2.0	26.6	26.0	2.1	29.6	29.9	2.3
HIP FRACTURE	403	7.9	6.5	1.4	11.4	11.6	1.6	14.4	15.2	1.8
SEPSIS	135	17.8	22.1	4.4	23.7	29.1	5.9	28.9	33.5	6.5
PROCEDURES:										
ANGIOPLASTY	89	1.1	2.1	2.1	3.4	2.9	3.1	3.4	3.8	3.1
CORONARY ARTERY BYPASS GRAFT	197	6.6	5.5	2.0	9.1	7.9	2.3	11.2	8.9	2.9
INITIAL PACEMAKER INSERTION	73	1.4	2.9	2.5	1.4	5.6	3.8	4.1	8.1	4.7
CAROTID ENDARTERECTOMY	37	0.0	1.3	*	2.7	2.4	*	2.7	3.6	*
HIP REPLACEMENT/RECONSTRUCTION	285	3.2	3.1	1.1	5.3	5.7	1.6	6.3	7.8	2.2
OPEN REDUCTION OF HIP FRACTURE	142	12.7	6.2	2.8	15.5	11.7	2.9	19.7	15.7	3.3
PROSTATECTOMY	396	0.8	1.1	0.7	2.0	2.4	1.1	3.8	4.0	1.5
CHOLECYSTECTOMY	251	2.4	2.6	1.0	4.8	4.6	1.4	6.8	6.0	2.1
HYSTERECTOMY	129	0.0	0.4	*	0.8	1.0	*	0.8	1.6	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 78,698

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	25.72	27.59	0.19	0.93	0.01	4.66	4.71	0.08	0.99	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.97	0.90	0.03	1.04	0.04					
CONGESTIVE HEART FAILURE	1.49	1.62	0.05	0.93	0.03					
PNEUMONIA/INFLUENZA	1.48	1.33	0.04	1.12	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.56	0.51	0.03	1.07	0.06					
TRANSIENT CEREBRAL ISCHEMIA	0.23	0.36	0.02	0.63	0.04					
STROKE	0.81	0.87	0.03	0.94	0.04					
HIP FRACTURE	0.64	0.64	0.03	0.96	0.05					
SEPSIS	0.26	0.33	0.02	0.84	0.06					
PROCEDURES:										
ANGIOPLASTY	0.22	0.27	0.02	0.88	0.07					
CORONARY ARTERY BYPASS GRAFT	0.34	0.38	0.02	0.92	0.06					
INITIAL PACEMAKER INSERTION	0.15	0.19	0.02	0.97	0.10					
CAROTID ENDARTERECTOMY	0.07	0.11	0.01	0.74	0.10					
HIP REPLACEMENT/RECONSTRUCTION	0.46	0.47	0.02	0.98	0.06					
OPEN REDUCTION OF HIP FRACTURE	0.24	0.30	0.02	0.70	0.05					
PROSTATECTOMY	0.65	0.73	0.03	0.88	0.04					
CHOLECYSTECTOMY	0.41	0.45	0.02	0.89	0.05					
HYSTERECTOMY	0.22	0.18	0.01	1.26	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

VIRGIN ISLANDS

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	189	16.4	13.2	3.2	21.7	18.7	3.5	25.9	22.3	3.9
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	5	20.0	41.5	*	20.0	43.8	*	40.0	46.8	*
CONGESTIVE HEART FAILURE	16	25.0	13.3	*	37.5	20.2	*	37.5	25.1	*
PNEUMONIA/INFLUENZA	8	25.0	18.6	*	25.0	25.5	*	25.0	29.7	*
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	4	0.0	11.3	*	25.0	19.7	*	25.0	25.2	*
TRANSIENT CEREBRAL ISCHEMIA	3	0.0	1.4	*	0.0	3.3	*	0.0	5.7	*
STROKE	6	33.3	28.3	*	50.0	34.7	*	50.0	38.1	*
HIP FRACTURE	5	0.0	5.4	*	0.0	10.0	*	20.0	13.1	*
SEPSIS	0									
PROCEDURES:										
ANGIOPLASTY	0									
CORONARY ARTERY BYPASS GRAFT	0									
INITIAL PACEMAKER INSERTION	0									
CAROTID ENDARTERECTOMY	0									
HIP REPLACEMENT/RECONSTRUCTION	1	0.0	5.9	*	0.0	11.2	*	100.0	14.5	*
OPEN REDUCTION OF HIP FRACTURE	1	0.0	5.4	*	0.0	11.8	*	0.0	16.2	*
PROSTATECTOMY	2	0.0	2.9	*	0.0	6.6	*	0.0	9.9	*
CHOLECYSTECTOMY	1	0.0	1.7	*	0.0	2.3	*	0.0	3.0	*
HYSTERECTOMY	1	0.0	0.1	*	0.0	0.4	*	0.0	0.7	*

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

VIRGINIA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
	NUMBER	30 DAYS			90 DAYS			180 DAYS		
CATEGORY	OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	147,150	8.5	8.6	0.1	13.3	13.2	0.2	16.6	16.6	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,320	24.1	25.7	1.2	28.1	28.7	1.5	30.6	31.4	1.4
CONGESTIVE HEART FAILURE	7,044	12.8	14.1	0.6	21.2	22.4	0.6	27.3	28.5	0.6
PNEUMONIA/INFLUENZA	6,595	14.3	14.9	0.7	20.3	20.6	1.1	24.3	24.4	1.2
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	2,286	7.1	7.0	0.6	13.1	12.6	0.9	18.3	16.9	1.3
TRANSIENT CEREBRAL ISCHEMIA	2,255	1.3	1.7	0.4	3.2	3.8	0.6	4.9	6.2	0.9
STROKE	5,629	18.4	19.2	0.7	25.4	25.4	0.6	29.1	29.2	0.6
HIP FRACTURE	3,461	6.1	6.1	0.4	10.7	10.8	0.7	13.7	14.2	0.7
SEPSIS	1,696	25.2	25.4	1.1	33.8	33.1	1.8	38.7	37.8	2.5
PROCEDURES:										
ANGIOPLASTY	913	3.1	3.4	1.0	3.9	4.4	0.9	5.0	5.4	0.9
CORONARY ARTERY BYPASS GRAFT	1,686	5.6	6.0	1.1	7.6	8.5	1.3	8.6	9.7	1.3
INITIAL PACEMAKER INSERTION	943	3.2	3.4	0.6	6.2	6.5	1.0	8.5	9.3	1.4
CAROTID ENDARTERECTOMY	549	1.1	1.4	0.7	2.4	2.7	0.8	3.5	3.9	1.0
HIP REPLACEMENT/RECONSTRUCTION	2,564	3.4	3.0	0.4	5.9	5.7	0.6	7.6	7.7	0.6
OPEN REDUCTION OF HIP FRACTURE	1,616	5.8	5.7	0.9	11.1	10.5	0.9	13.9	14.0	0.9
PROSTATECTOMY	3,668	0.8	0.9	0.2	2.4	2.2	0.3	4.2	3.7	0.4
CHOLECYSTECTOMY	2,536	2.8	2.5	0.8	4.6	4.6	0.9	6.0	6.1	0.8
HYSTERECTOMY	1,137	0.5	0.5	0.4	1.1	1.2	0.5	1.8	1.9	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 762,613

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	30.91	29.17	0.06	1.06	0.00	4.62	4.63	0.02	1.00	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.92	0.86	0.01	1.09	0.01					
CONGESTIVE HEART FAILURE	1.78	1.82	0.02	0.98	0.01					
PNEUMONIA/INFLUENZA	1.33	1.26	0.01	1.05	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.57	0.56	0.01	1.03	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.42	0.41	0.01	1.01	0.02					
STROKE	1.04	0.97	0.01	1.07	0.01					
HIP FRACTURE	0.60	0.55	0.01	1.10	0.02					
SEPSIS	0.38	0.41	0.01	0.93	0.02					
PROCEDURES:										
ANGIOPLASTY	0.24	0.28	0.01	0.91	0.02					
CORONARY ARTERY BYPASS GRAFT	0.40	0.38	0.01	1.08	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.00	0.95	0.03					
CAROTID ENDARTERECTOMY	0.11	0.12	0.00	1.02	0.04					
HIP REPLACEMENT/RECONSTRUCTION	0.42	0.39	0.01	1.09	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.27	0.27	0.01	**	**					
PROSTATECTOMY	0.62	0.71	0.01	0.88	0.01					
CHOLECYSTECTOMY	0.43	0.43	0.01	1.02	0.02					
HYSTERECTOMY	0.18	0.17	0.00	1.08	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

WASHINGTON

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%) 30 DAYS OBS	PRED	SD	90 DAYS OBS	PRED	SD	180 DAYS OBS	PRED	SD
ALL CAUSES	102,130	9.0	8.5	0.1	13.5	12.9	0.2	16.8	16.2	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	3,607	22.5	24.3	1.1	25.7	27.3	1.2	28.4	30.0	1.2
CONGESTIVE HEART FAILURE	4,507	14.9	14.3	0.7	23.5	22.5	0.8	29.6	28.6	0.8
PNEUMONIA/INFLUENZA	4,657	13.5	14.4	0.6	19.7	20.0	0.8	24.0	23.8	0.7
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,801	10.4	8.1	0.8	17.3	14.0	1.1	22.2	18.5	1.3
TRANSIENT CEREBRAL ISCHEMIA	988	2.2	1.7	0.8	4.5	3.9	1.3	7.2	6.3	1.2
STROKE	3,943	19.6	19.4	0.6	25.6	25.6	0.9	29.2	29.4	0.9
HIP FRACTURE	3,036	6.9	6.4	0.5	12.1	11.5	0.6	16.0	15.1	0.7
SEPSIS	946	21.8	22.7	1.5	29.3	30.1	2.0	33.3	34.7	2.0
PROCEDURES:										
ANGIOPLASTY	1,110	2.8	3.1	0.7	3.4	4.0	0.8	4.1	4.9	1.0
CORONARY ARTERY BYPASS GRAFT	1,657	5.2	5.2	0.6	7.2	7.4	0.7	8.0	8.4	0.8
INITIAL PACEMAKER INSERTION	701	3.1	2.8	0.7	5.8	5.4	1.1	7.8	7.9	1.3
CAROTID ENDARTERECTOMY	827	1.2	1.3	0.4	1.7	2.5	0.6	2.8	3.7	0.8
HIP REPLACEMENT/RECONSTRUCTION	2,935	3.2	2.6	0.4	5.5	4.9	0.5	7.2	6.7	0.7
OPEN REDUCTION OF HIP FRACTURE	1,321	6.4	6.0	0.9	11.6	11.0	1.0	15.6	14.6	1.2
PROSTATECTOMY	4,491	0.6	0.7	0.2	1.5	1.7	0.3	2.6	3.0	0.4
CHOLECYSTECTOMY	2,127	2.1	2.3	0.3	3.4	4.1	0.5	4.7	5.6	0.6
HYSTERECTOMY	1,147	0.3	0.6	0.3	0.8	1.3	0.5	1.4	2.1	0.6

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 647,000

CATEGORY	ADMISSION OBS(%)	PRED(%)	SD(%)	REL	SE	MORTALITY OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	23.55	26.85	0.06	0.88	0.00	4.39	4.53	0.03	0.97	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.85	0.88	0.01	0.96	0.01					
CONGESTIVE HEART FAILURE	1.25	1.59	0.02	0.79	0.01					
PNEUMONIA/INFLUENZA	1.05	1.26	0.01	0.83	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.48	0.52	0.01	0.93	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.21	0.35	0.01	0.60	0.01					
STROKE	0.82	0.87	0.01	0.94	0.01					
HIP FRACTURE	0.60	0.59	0.01	1.01	0.02					
SEPSIS	0.24	0.35	0.01	0.68	0.01					
PROCEDURES:										
ANGIOPLASTY	0.30	0.31	0.01	0.98	0.02					
CORONARY ARTERY BYPASS GRAFT	0.41	0.40	0.01	1.01	0.02					
INITIAL PACEMAKER INSERTION	0.15	0.20	0.01	0.74	0.02					
CAROTID ENDARTERECTOMY	0.17	0.13	0.00	1.33	0.05					
HIP REPLACEMENT/RECONSTRUCTION	0.55	0.46	0.01	1.20	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.26	0.29	0.01	0.90	0.02					
PROSTATECTOMY	0.84	0.78	0.01	1.08	0.01					
CHOLECYSTECTOMY	0.42	0.45	0.01	0.94	0.02					
HYSTERECTOMY	0.20	0.18	0.00	1.12	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

WEST VIRGINIA

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	67,560	9.3	9.0	0.1	13.9	13.6	0.2	17.2	17.0	0.2
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	2,403	25.3	25.9	1.0	28.9	29.0	1.1	31.3	31.8	1.2
CONGESTIVE HEART FAILURE	3,590	16.2	14.6	0.9	24.9	23.1	1.0	31.1	29.3	1.0
PNEUMONIA/INFLUENZA	3,606	16.5	15.9	1.3	22.5	21.8	1.1	26.4	25.7	1.1
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,460	6.2	7.2	1.2	12.5	12.9	1.3	17.1	17.4	1.3
TRANSIENT CEREBRAL ISCHEMIA	1,184	1.8	1.8	0.7	4.9	4.0	1.0	7.1	6.4	1.2
STROKE	2,349	21.8	20.1	1.1	27.8	26.4	1.0	31.9	30.2	1.1
HIP FRACTURE	1,571	5.5	6.5	0.9	9.6	11.4	1.4	13.2	14.8	1.5
SEPSIS	727	22.7	25.5	2.3	30.4	33.7	2.6	36.3	38.4	3.2
PROCEDURES:										
ANGIOPLASTY	370	4.9	2.9	1.6	5.7	3.8	1.7	7.0	4.7	1.8
CORONARY ARTERY BYPASS GRAFT	530	4.0	5.9	1.5	6.0	8.4	1.9	7.0	9.5	2.0
INITIAL PACEMAKER INSERTION	348	4.3	3.5	1.2	6.9	6.7	1.6	9.2	9.5	2.3
CAROTID ENDARTERECTOMY	352	0.6	1.4	1.0	2.0	2.6	1.4	2.8	3.8	1.4
HIP REPLACEMENT/RECONSTRUCTION	1,028	2.8	3.6	0.9	5.8	6.6	1.3	7.5	8.8	1.7
OPEN REDUCTION OF HIP FRACTURE	734	4.4	5.9	1.1	7.1	10.8	1.8	10.5	14.3	1.9
PROSTATECTOMY	1,942	1.3	1.0	0.4	2.7	2.3	0.5	4.1	3.8	0.5
CHOLECYSTECTOMY	1,434	3.1	2.4	0.6	5.9	4.5	1.2	6.5	5.9	0.7
HYSTERECTOMY	520	1.3	0.6	1.0	1.9	1.4	1.2	2.7	2.2	1.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 324,772

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	33.96	32.32	0.10	1.05	0.00	4.82	4.69	0.04	1.03	0.01
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	1.19	1.05	0.02	1.13	0.02					
CONGESTIVE HEART FAILURE	2.11	1.93	0.02	1.09	0.01					
PNEUMONIA/INFLUENZA	1.77	1.80	0.02	0.98	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.88	0.81	0.02	1.06	0.02					
TRANSIENT CEREBRAL ISCHEMIA	0.53	0.47	0.01	1.12	0.03					
STROKE	1.05	0.99	0.02	1.06	0.02					
HIP FRACTURE	0.63	0.62	0.01	1.03	0.02					
SEPSIS	0.36	0.36	0.01	0.98	0.03					
PROCEDURES:										
ANGIOPLASTY	0.28	0.31	0.01	0.91	0.03					
CORONARY ARTERY BYPASS GRAFT	0.40	0.42	0.01	0.94	0.03					
INITIAL PACEMAKER INSERTION	0.18	0.20	0.01	0.92	0.04					
CAROTID ENDARTERECTOMY	0.16	0.16	0.01	**	**					
HIP REPLACEMENT/RECONSTRUCTION	0.41	0.45	0.01	0.92	0.03					
OPEN REDUCTION OF HIP FRACTURE	0.29	0.29	0.01	1.03	0.04					
PROSTATECTOMY	0.78	0.75	0.01	1.04	0.02					
CHOLECYSTECTOMY	0.56	0.56	0.01	0.98	0.02					
HYSTERECTOMY	0.19	0.18	0.01	1.03	0.05					

** QUANTITIES COULD NOT BE ESTIMATED

WISCONSIN

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

		MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
CATEGORY	NUMBER OF CASES	OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	140,024	8.5	8.5	0.1	12.9	13.1	0.2	16.0	16.4	0.1
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	4,317	26.1	26.6	0.7	30.6	29.7	1.5	32.7	32.5	1.0
CONGESTIVE HEART FAILURE	7,355	14.1	14.5	0.5	22.2	22.8	0.7	28.5	29.0	0.7
PNEUMONIA/INFLUENZA	5,980	15.0	15.6	0.5	20.8	21.6	0.8	24.9	25.6	0.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	1,681	8.1	8.1	0.7	13.4	14.1	1.1	18.1	18.8	1.6
TRANSIENT CEREBRAL ISCHEMIA	1,880	1.8	1.8	0.4	4.5	3.9	0.6	6.6	6.4	0.9
STROKE	5,123	20.1	19.6	0.8	26.5	26.0	0.7	30.3	29.9	0.7
HIP FRACTURE	3,652	6.9	6.7	0.5	10.9	11.9	0.8	14.6	15.5	0.9
SEPSIS	1,748	21.3	24.5	1.3	28.9	32.3	1.7	33.7	36.9	1.8
PROCEDURES:										
ANGIOPLASTY	1,586	2.5	2.6	0.5	3.3	3.5	0.6	4.2	4.4	0.7
CORONARY ARTERY BYPASS GRAFT	1,970	6.5	5.6	0.9	8.9	8.1	0.9	9.8	9.1	0.8
INITIAL PACEMAKER INSERTION	889	3.7	3.7	0.6	7.3	6.9	0.9	10.5	9.9	1.1
CAROTID ENDARTERECTOMY	578	1.6	1.3	0.5	2.2	2.5	0.7	4.3	3.7	0.9
HIP REPLACEMENT/RECONSTRUCTION	3,364	3.4	3.0	0.4	5.6	5.5	0.4	7.1	7.4	0.6
OPEN REDUCTION OF HIP FRACTURE	1,478	5.4	6.2	0.8	9.5	11.3	1.3	14.0	14.9	1.6
PROSTATECTOMY	4,932	1.0	1.0	0.2	2.0	2.3	0.3	3.6	4.0	0.4
CHOLECYSTECTOMY	2,786	2.5	2.7	0.5	4.7	5.0	0.7	6.1	6.6	0.7
HYSTERECTOMY	1,241	0.3	0.5	0.3	0.6	1.3	0.4	1.3	2.0	0.5

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 750,156

	ADMISSION					MORTALITY				
CATEGORY	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	28.15	27.96	0.06	1.01	0.00	4.64	4.76	0.02	0.98	0.00
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.90	0.90	0.01	**	**					
CONGESTIVE HEART FAILURE	1.74	1.68	0.01	1.04	0.01					
PNEUMONIA/INFLUENZA	1.16	1.38	0.01	0.85	0.01					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.39	0.53	0.01	0.75	0.01					
TRANSIENT CEREBRAL ISCHEMIA	0.35	0.36	0.01	0.97	0.02					
STROKE	0.92	0.91	0.01	1.01	0.01					
HIP FRACTURE	0.62	0.65	0.01	0.95	0.01					
SEPSIS	0.37	0.35	0.01	1.02	0.02					
PROCEDURES:										
ANGIOPLASTY	0.36	0.29	0.01	1.29	0.03					
CORONARY ARTERY BYPASS GRAFT	0.41	0.38	0.01	1.09	0.02					
INITIAL PACEMAKER INSERTION	0.19	0.20	0.00	0.96	0.03					
CAROTID ENDARTERECTOMY	0.11	0.12	0.00	0.91	0.03					
HIP REPLACEMENT/RECONSTRUCTION	0.56	0.48	0.01	1.17	0.02					
OPEN REDUCTION OF HIP FRACTURE	0.25	0.31	0.01	0.83	0.02					
PROSTATECTOMY	0.82	0.76	0.01	1.09	0.01					
CHOLECYSTECTOMY	0.47	0.45	0.01	1.03	0.02					
HYSTERECTOMY	0.20	0.18	0.00	1.11	0.03					

** QUANTITIES COULD NOT BE ESTIMATED

WYOMING

MORTALITY RATES FOLLOWING ADMISSION TO AN ACUTE CARE HOSPITAL

CATEGORY	NUMBER OF CASES	MORTALITY RATES(%)								
		30 DAYS			90 DAYS			180 DAYS		
		OBS	PRED	SD	OBS	PRED	SD	OBS	PRED	SD
ALL CAUSES	9,765	8.4	7.8	0.3	12.6	12.0	0.4	15.7	15.2	0.5
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	285	21.8	24.0	3.9	24.6	26.9	4.4	26.7	29.7	4.9
CONGESTIVE HEART FAILURE	425	11.8	13.1	1.7	17.2	20.9	2.5	24.9	26.7	3.2
PNEUMONIA/INFLUENZA	581	12.9	13.4	1.9	19.3	18.8	1.7	22.9	22.5	1.8
CHRONIC OBSTRUCTIVE PULMONARY DISEAS	236	10.6	7.3	2.4	16.9	12.8	3.0	19.9	17.0	2.9
TRANSIENT CEREBRAL ISCHEMIA	117	0.9	1.7	1.4	4.3	4.0	1.8	7.7	6.7	2.5
STROKE	276	26.4	18.5	3.4	31.2	24.5	3.3	34.8	28.4	3.3
HIP FRACTURE	233	7.3	5.7	3.1	13.3	10.3	4.6	17.2	13.7	4.9
SEPSIS	98	28.6	24.3	6.4	35.7	31.8	6.2	40.8	36.7	6.3
PROCEDURES:										
ANGIOPLASTY	75	2.7	3.8	3.7	2.7	4.6	3.4	4.0	5.6	3.1
CORONARY ARTERY BYPASS GRAFT	81	4.9	5.6	3.1	7.4	8.1	3.1	8.6	9.2	3.5
INITIAL PACEMAKER INSERTION	38	5.3	2.6	*	5.3	5.4	*	5.3	8.1	*
CAROTID ENDARTERECTOMY	21	0.0	1.1	*	0.0	2.1	*	0.0	3.1	*
HIP REPLACEMENT/RECONSTRUCTION	143	5.6	3.1	2.8	9.8	5.8	4.0	11.9	7.8	4.3
OPEN REDUCTION OF HIP FRACTURE	124	4.0	4.9	2.2	8.9	9.2	2.7	12.9	12.5	3.0
PROSTATECTOMY	278	1.1	0.8	0.7	1.1	1.9	1.0	3.2	3.3	1.3
CHOLECYSTECTOMY	203	3.9	2.5	2.4	4.9	4.3	2.4	4.9	5.6	2.4
HYSTERECTOMY	90	1.1	0.5	1.0	1.1	1.1	1.1	3.3	1.8	2.0

* THE NUMBER OF CASES OR DEATHS IN THIS CATEGORY IS TOO SMALL TO PERMIT SATISFACTORY ESTIMATION OF THE STANDARD DEVIATION.

POPULATION BASED RATES FOR MORTALITY AND HOSPITAL USAGE

NUMBER ELIGIBLE: 54,209

CATEGORY	ADMISSION					MORTALITY				
	OBS(%)	PRED(%)	SD(%)	REL	SE	OBS(%)	PRED(%)	SD(%)	REL	SE
ALL CAUSES	31.30	28.21	0.23	1.11	0.01	4.41	4.52	0.09	0.97	0.02
CONDITIONS:										
ACUTE MYOCARDIAL INFARCTION	0.89	0.95	0.04	0.94	0.04					
CONGESTIVE HEART FAILURE	1.49	1.64	0.06	0.91	0.03					
PNEUMONIA/INFLUENZA	1.61	1.44	0.05	1.13	0.04					
CHRONIC OBSTRUCTIVE PULMONARY DISEASE	0.78	0.58	0.03	1.33	0.08					
TRANSIENT CEREBRAL ISCHEMIA	0.32	0.37	0.03	0.92	0.07					
STROKE	0.74	0.90	0.04	0.84	0.04					
HIP FRACTURE	0.64	0.60	0.03	1.09	0.06					
SEPSIS	0.30	0.34	0.02	0.86	0.07					
PROCEDURES:										
ANGIOPLASTY	0.37	0.30	0.02	1.20	0.10					
CORONARY ARTERY BYPASS GRAFT	0.43	0.41	0.03	1.04	0.08					
INITIAL PACEMAKER INSERTION	0.17	0.20	0.02	0.81	0.09					
CAROTID ENDARTERECTOMY	0.13	0.13	0.02	1.14	0.16					
HIP REPLACEMENT/RECONSTRUCTION	0.53	0.47	0.03	1.15	0.08					
OPEN REDUCTION OF HIP FRACTURE	0.31	0.28	0.02	1.12	0.10					
PROSTATECTOMY	0.89	0.81	0.04	1.10	0.05					
CHOLECYSTECTOMY	0.55	0.50	0.03	1.09	0.07					
HYSTERECTOMY	0.23	0.19	0.02	1.15	0.13					

** QUANTITIES COULD NOT BE ESTIMATED

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